COMPLETE CATALOGUE 2013 / 2014

Innovative products for the professional user.





Bachmann International. Build on the best connections.

Bachmann makes connections. To ensure that power and data are available right where you need them. For industrial, commercial and home applications, in offices and training rooms, on desks and on conference tables. Bachmann facility and IT systems are flexible enough that you can modify them at any time to suit future power or data management needs. And with Bachmann's up-to-the-minute range of electrical components you can be sure of satisfying even your customers' more unusual electrical and electronics requirements.

One of Bachmann's primary objectives is to deliver innovative products to help our customers achieve long-term success. For this reason we exploit all the possibilities offered by professional engineering and modern process management to develop our standardised and customised systems and products.

Consider, for example, energy management optimisation and the efficient use of energy. Day after day our technical specialists help you tap into new scope for energy efficiency with the aid of intelligent new products. Discuss your projects with us if you would like to improve your connections. We will be there from the initial in-depth consultation, supply you with components and modules ready for installation and assist you in planning and developing your specific solutions. And we will use every opportunity to exceed your expectations of us and our systems. We look forward to making the best connections for you - and with you.

Quality at all levels

Do not be satisfied until you have the optimum solution. A philosophy that applies at every level of our company and that is consistently demonstrated by all our employees. The result: products to match the best on the world's markets, outside and inside. This is also evident from our certification to DIN EN ISO 9001:2000.











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BLUENET POWER UNIT

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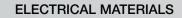


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PRIMO with USB charger

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SWITCHES

Facility systems

Desk connection panels

| i. | SLIDE | 10 |
|-------|--|----|
| | CONFERENCE Practical power and data supply. Recessed in the top of the desk or table when not in use. Simply press down with your thumb to open the unit. Features a spring clip, can be closed once cables have been connected. | 12 |
| | TOP FRAME | 16 |
| | CONI Unrestricted access to power and data on the table or desk. Integrated into your table or desk together with connected cables. The integrated brush insert prevents cables jamming. | 22 |
| | CONI COVER Elegant access to separate power supply units under the desk or table. Also ideal for retrofitting. Features integrated brush insert, can be closed even with devices plugged in. | 28 |
| | POWER FRAME For integrated power and data connections to workstations. Versatile application options. The power strip simply clicks into the built-in frame. | 30 |
| | POWER FRAME COVER NEW The amazing evolution of the POWER FRAME. An elegant and attractive aluminium cover that is particularly suitable for stylish offices or conference rooms. | 34 |
| | TWIST NEW Very compact power strip and space-saving cable management system. TWIST is flat enough not to interfere with units installed underneath. Red Dot Product Design Award Winner 2012 | 36 |
| HAC I | ELEVATOR NEW Designed for a standard hole diameter of 79 mm, ELEVATOR is a compact powerhouse. Recessed in the top of the desk or table when not in use, simply touch to raise. | 38 |
| | LIFT | 40 |

1 1313

Ideal where workstations have to be flexible. Modular design for individual configuration of communication and power supply connections. Fixed or free-standing installation.

The new generation of desk with superior design credentials. The modularity for which Bachmann is renowned ensures adaptability to future requirements.

For flexible power and data supply at workstations, in partition systems, false floors, etc. Consistently modular throughout, making the possibilities virtually endless.

Custom modules

The word CUSTOM appears in this catalogue wherever the modules can be flexibly interchanged. CUSTOM MODULES: Bachmann facility systems can be adapted to perfectly match individual requirements for data, video and audio connections.

Media technology

| Media Express 98 Plug-and-play for simplicity and efficiency. 98 |
|--|
| Media Switch |
| Media Control |

Simple control of complex processes in media and facility applications

LanLight[®], the smart supply system

| LanLight [®] system overview Modular building installation solution offering flexible supply to office workstations | 122 |
|---|-----|
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Mobile pillars for power and data distribution in raised and false floors

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Underfloor distributors for power and data

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LanLight









SLIDE Functionality at the touch of a button

SLIDE opens and closes at the touch of a button. When the unit opens, the integrated electronics slides the cut-out in the desk or table down beneath its surface, providing free access to the power and data supply modules. When the unit is closed, the desk or table cut-out is flush with the surface making for a very practical solution.

Electronically controlled torque limitation protects users and cables. There is no risk of fingers or power supply cables becoming trapped or crushed. The SLIDE is available in various configurations and power strips are easily interchangeable.

SLIDE – the unobtrusive way of releasing functions when they are needed. Simply at the touch of a button.

| The advantages | ntages • Opens and closes at the touch of a button | | | |
|----------------|---|--|--|--|
| at a glance | | | | |
| | • Fully integrated into the top of your desk or table | | | |
| | Torque limitation ensures safety | | | |
| | Power strip can be interchanged easily | | | |

| Version | |
|--|---|
| | Black |
| | |
| Complete kit incl. motion mechanism, control electronics and fixing materials | |
| Incl. mounting frame for 2 power strips (see page 16) | |
| Incl. stainless steel button with 2.0 m control cable and plug for controlling the SLIDE | |
| \cdot Suitable for installation in desk or table tops (thickness must be adapted to 8 mm) | |
| Incl. cut-out drawing for preparation of desk or table top | |
| \cdot Dimensions (L x W x H): approx. 725 x 340.5 x 70.3 mm | |
| using illuminated | Black |
| Mounting frame for fitting in desk or table systems | |
| Complete kit incl. motion mechanism, control electronics and fixing materials | |
| · With 2 blue LED striplights that light up when open | |
| Incl. mounting frame for 2 power strips (see page 16) | |
| Incl. stainless steel button with 2.0 m control cable and plug for controlling the SLIDE | |
| \cdot Suitable for installation in desk or table tops (thickness must be adapted to 8 mm) | |
| \cdot Incl. cut-out drawing for preparation of desk or table top | |
| · Dimensions (L x W x H): approx. 725 x 340.5 x 70.3 mm | |
| | Ising Module for mounting in desk or table systems Complete kit incl. motion mechanism, control electronics and fixing materials Incl. mounting frame for 2 power strips (see page 16) Incl. stainless steel button with 2.0 m control cable and plug for controlling the SLIDE Suitable for installation in desk or table tops (thickness must be adapted to 8 mm) Incl. cut-out drawing for preparation of desk or table top Dimensions (L x W x H): approx. 725 x 340.5 x 70.3 mm Ising illuminated Mounting frame for fitting in desk or table systems Complete kit incl. motion mechanism, control electronics and fixing materials With 2 blue LED striplights that light up when open Incl. mounting frame for 2 power strips (see page 16) Incl. stainless steel button with 2.0 m control cable and plug for controlling the SLIDE Suitable for installation in desk or table tops (thickness must be adapted to 8 mm) |

SLIDE - a user-friendly solution even at the installation stage.

All set for quick fitting

The SLIDE module screws onto the underside of your tabletop or desktop. The screw fixtures are designed for table or desk tops up to 20 mm thick. If the thickness is more than 20 mm you will need to rout the area around the SLIDE module housing down to 20 mm.

The dimensions of the sliding panel in the tabletop are approx. (L x W) 302.5×236 mm. The built-in frame for the socket outlets is attached to the SLIDE module using the screws included in the scope of supply. Power strips (short version) can also be attached to this built-in frame and interchanged if required. You will find power strips on page 20/21.

Sealed cables can also be supplied

The SLIDE module's moving carriage is opened and closed using a pushbutton. The carriage itself can have an "elongated slot" so that cables can be routed even when the unit is closed. Customers can choose whether to also include this slot in the table or desk top through the design of the cut-out.

Electronics for safety

As soon as a resistance is felt by the moving "carriage", the electronics will bring it to a halt. This prevents fingers and cables getting trapped, avoiding possible injuries or damage.

Ideal for conference and training desks and tables and high-grade workstations alike, CONFERENCE is a truly refined and discreet solution for individual access to power and data connections.

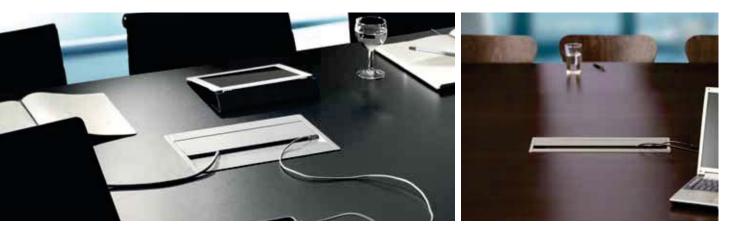
When not in use, CONFERENCE is hidden in the top of the desk or table. When you need power or data, press with your thumb to release the magnetic catch and the opening flap swings up. Once you have connected your notebook, projector, microphone, etc. the flap can be closed again. The narrow closing flap opposite adapts to the inserted cables - nothing is squashed and the elegant appearance of the desk or table is preserved.

CONFERENCE built-in frames are available both for surface mounting (e.g. if retrofitting) and for flush mounting in the tops of desks and tables. Where installed under a desk or table, the opening and closing flaps are flush with the table or desk top. As we can supply flaps on request in almost any coating and even ready for veneer finishing, CONFERENCE is able to meet the most stringent of requirements in terms of elegant looks and harmonious design.

The configuration of CONFERENCE data connections can be freely selected. Power strips can also be interchanged quickly and at any time, without the need for tools. Maximum functionality and top-end design can therefore be adapted to advancements in communication technology for many years to come.

| The advantages | Integrated into the top of the desk or table | | | | |
|----------------|--|--|--|--|--|
| at a glance | e Simply press with your thumb to open | | | | |
| | Flap can be closed with cables connected | | | | |
| | • For both surface mounting (e.g. if retrofitting) and | | | | |
| | flush mounting | | | | |
| | Can be installed flush with the top of the desk or | | | | |
| | table | | | | |
| | Suitable for veneer finishing | | | | |
| | Configuration can be freely selected (see custom | | | | |
| | modules from page 66) | | | | |

• Complete power strip can be quickly interchanged

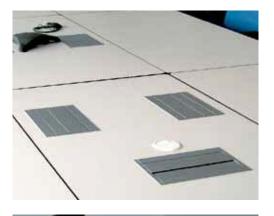


Simply press with your thumb to open CONFERENCE. Thanks to its flexible closing flap, the unit can even be closed once devices have been plugged in without crushing the cables.



CONFERENCE Setting a design standard

CONFERENCE - as versatile as you need.











The dimensions of the cut-out are included in the frame packaging materials. They are also available by e-mail or can be downloaded from www.bachmann.com

Simple built-in frame fitting

The built-in frame is very easy to install - only standard tools are required. Simply make a rectangular cut-out in the top of your desk or table.

Frameless

Conference under-table mounting frames (frameless) are fitted from the underside of the tabletop. Thus only the pivoting flaps are visible on the tabletop. The necessary drawings containing the special details of the table or desk cut-out are supplied with the unit or can be found in the download area at www.bachmann.com. If required, the flaps can be removed from the frame by means of the integrated bayonet catch. You can also custom match the flaps to the finish of your tabletop by gluing on a suitable veneer (this is not done ex works).



Power strip simply clicks into place

The power strip is not supplied with the built-in frame and must be ordered separately.

It simply clicks into the built-in frame (tools are not required).

Since the power strip can be interchanged at any time, the user is guaranteed long-term flexibility and adaptability to future requirements.

CONFERENCE with frame

- \cdot Chamfered side panels, can be flush-mounted on desk or table surface
- \cdot Incl. quick-change mechanism for swapping power strips
- \cdot Incl. fixing claws and fitting instructions with cut-out dimensions

| Art. no. | Version | |
|----------------------------|--|--|
| CONFERE 338.0200 | NCE built-in frame, long Moonstone metallic • Outer dimensions: approx. 466.1 x 182.4 mm, built-in dimensions: approx. 450.1 x 166.4 mm • Built-in depth: 110 mm | |
| CONFERE 338.0201 | NCE built-in frame, shortMoonstone metallic• Outer dimensions: approx. 284.6 x 182.4 mm, built-in dimensions: approx. 268.6 x 166.4 mm• Built-in depth: 110 mm | and the second sec |
| CONFERE 338.0221 | NCE built-in frame, long RAL9006, silver grey • Outer dimensions: approx. 466.1 x 182.4 mm, built-in dimensions: approx. 450.1 x 166.4 mm • Built-in depth: 110 mm | |
| CONFERE 338.0219 | NCE built-in frame, shortRAL9006, silver grey• Outer dimensions: approx. 284.6 x 182.4 mm, built-in dimensions: approx. 268.6 x 166.4 mm• Built-in depth: 110 mm | |
| CONFERE 338.0212 | NCE built-in frame, long Chrome effect finish • Outer dimensions: approx. 466.1 x 182.4 mm, built-in dimensions: approx. 450.1 x 166.4 mm • Built-in depth: 110 mm | |
| CONFERE 338.0210 | NCE built-in frame, shortChrome effect finish• Outer dimensions: approx. 284.6 x 182.4 mm, built-in dimensions: approx. 268.6 x 166.4 mm• Built-in depth: 110 mm | |
| CONFERE | NCE frameless | |
| Art. no. | Version | |
| CONFERE 338.0230 | NCE under-table built-in frame, long RAL9006, silver grey • Dimensions (visible surface): approx. 442.5 x 119 mm • Built-in depth: 107 mm | 3- 2 7 |
| CONFERE 338.0231 | NCE under-table built-in frame, short RAL9006, silver grey • Dimensions (visible surface): approx. 261.5 x 119 mm • Built-in depth: 107 mm | No a |

You will find power strips suitable for Slide, Conference and Top Frame on page 20/21

TOP FRAME is the new power and data supply solution for conference facilities. With its completely recessable cover, power and data can be conveniently accessed from any seat around the table. The balanced geometry of TOP FRAME fits elegantly into the tabletop and allows it to be fitted with high-quality veneers.

TOP FRAME is also elegantly simple to open: just press lightly with a finger and it opens and closes again - silently.

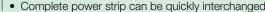
With its surround frame, TOP FRAME is also suitable for retrofitting. The power strips can of course be interchanged in a flash and can be equipped with Bachmann's flexible custom modules.

TOP FRAME is available in various versions:

in EV1 anodised aluminium or powder-coated in RAL 9006. Other surface finishes are available on request. A veneer of up to 0.6 mm can also be glued to the flap without the dimensions of the cut-out having to be changed.

The power strip clips into the frame without tools. There is a short version with 4 modules and a long version with 8 modules to suit both TOP FRAME solutions.

| The advantages | ntages • Access to power supply and data from any seat | | | | |
|----------------|--|--|--|--|--|
| at a glance | Silent opening | | | | |
| | Integrated into the top of the desk or table | | | | |
| | Can be installed flush with the top of the | | | | |
| | desk or table | | | | |
| | Version with surround frame suitable | | | | |
| | for retrofitting | | | | |
| | Suitable for veneer finishing | | | | |
| | Configuration can be freely selected | | | | |
| | Complete power strip can be quickly interchanged | | | | |





TOP FRAME opens silently and can also be conveniently operated from the seat opposite.



TOP FRAME Perfect elegance

TOP FRAME frameless

Includes fixing accessories

TOP FRAME cover

Top Frame blasted and black anodised cover, with fixing screws



| Art. no. | Version | |
|-----------|--|-------|
| TOP FRAM | ME base | Black |
| Top Frame | base without flap, black powder-coated housing | |
| 925.100 | · 4-way | |
| | · Dimensions (L x W x H): approx. 300 x 92 x 98 mm | |
| 925.101 | · 8-way | |
| | · Dimensions (L x W x H): approx. 482.5 x 92 x 98 mm | |

| TOP FRAM | IE cover | blasted and EV1 anodised |
|-----------|---|--------------------------|
| Top Frame | blasted and anodised cover, with fixing screws | |
| 925.0044 | · 4-way | |
| | · for mounting on TOP FRAME base (art. no. 925.100) | |
| 925.0034 | · 8-way | |
| | \cdot for mounting on TOP FRAME base (art. no. 925.101) | |



| | · · · · · · · · · · · · · · · · · · · | |
|----------|---|--------------|
| 925.0047 | · 4-way | |
| | for mounting on TOP FRAME base (art. no. 925.100) | |
| 925.0049 | · 8-way | |
| | for mounting on TOP FRAME base (art. no. 925.101) | |
| | | |
| | | |
| TOP FRAM | /IE cover | EV1 anodised |

blasted and black anodised

| TOP FRAM | IE cover | EV1 anodised |
|--|---|--------------|
| Top Frame EV1 anodised cover, with fixing screws | | |
| 925.0022 | · 4-way | |
| | · for mounting on TOP FRAME base (art. no. 925.100) | |
| 925.0023 | · 8-way | |
| | for mounting on TOP FRAME base (art. no. 925.101) | |



TOP FRAME with frame

Includes fixing accessories

Art. no. Version

| TOP FRA | ИЕ | RAL 9006 |
|----------|--|----------|
| Asymmetr | ical surround frame, short - for 4-way power strip | |
| 925.500 | · Aluminium flap RAL 9006, black powder-coated housing | |
| | · Dimensions (L x W x H): approx. 340.5 x 162 x 98.35 mm | |
| | | |

| TOP FRAM | ME | RAL 9006 |
|-----------|--|----------|
| Asymmetri | ical surround frame, long - for 8-way power strip | |
| 925.501 | · Aluminium flap RAL 9006, black powder-coated housing | |
| | · Dimensions (L x W x H): approx. 583 x 162 x 110 mm | |
| | | |
| | | |

| TOP FRAM | ИЕ | RAL 9006 |
|-----------|--|----------|
| Symmetric | al surround frame, short - for 4-way power strip | |
| 925.800 | Aluminium flap RAL 9006, black powder-coated housing | |
| | · Dimensions (L x W x H): approx. 400.5 x 192 x 98.35 mm | |
| | | |

| TOP FRA | ME | RAL 9006 |
|-----------|--|----------|
| Symmetrie | cal surround frame, long - for 8-way power strip | |
| 925.801 | · Aluminium flap RAL 9006, black powder-coated housing | |
| | · Dimensions (L x W x H): approx. 583 x 192 x 98.35 mm | |
| | | |









4-way power strips for Slide / Conference / Top Frame

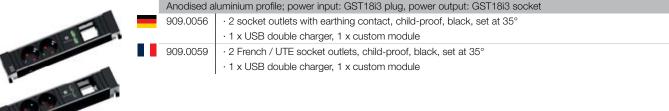
Power cables and custom modules are available separately. See glossary for country-specific information.

| | Art. no. | Version | |
|--------|------------|---|------------------------|
| CUSTOM | 4-way: 3 x | custom modules + power socket outlet | Length: approx. 260 mm |
| | Anodised a | luminium profile; power input: GST18i3 plug, power output: GST18i3 sock | et |
| | 909.002 | \cdot 1 socket outlet with earthing contact, child-proof, black, set at 35° | |
| Charte | 909.025 | \cdot 1 French / UTE socket outlet, child-proof, black, set at 35° | |
| OL | 909.028* | 1 Swiss / CH socket outlet, black, set at 0° | |
| | 909.065* | \cdot 1 Italian / earth contact combination, black, set at 35° | |

| CUST | гом | 4-way: 2 x | custom modules + power socket outlets | Length: approx. 260 mm |
|------|-----|------------|--|------------------------|
| | | Anodised a | luminium profile; power input: GST18i3 plug, power output: GST18i3 sock | ket |
| () | | 909.003 | $\cdot2$ socket outlets with earthing contact, child-proof, black, set at 35° | |
| | | 909.010 | \cdot 2 French / UTE socket outlets, child-proof, black, set at 35° | |
| | + | 909.017 | · 2 Swiss / CH socket outlets, black, set at 0° | |
| · | | 909.029* | \cdot 2 Italian / earth contact combination, black, set at 35° | |

| CUSTOM | 4-way: 1 x | Length: approx. 260 mm | |
|--------|------------|--|----|
| | Anodised a | luminium profile; power input: GST18i3 plug, power output: GST18i3 sock | et |
| | 909.004 | \cdot 3 socket outlets with earthing contact, child-proof, black, set at 35° | |
| | 909.011 | \cdot 3 French / UTE socket outlets, child-proof, black, set at 35° | |
| + | 909.018 | \cdot 4 Swiss / CH socket outlets, black, set at 0° | |
| | 909.058* | · 3 Italian / earth contact combination, black, set at 35° | |
| | 909.0023* | \cdot 2 UK 3.15 A individually fused, child-proof, black, set at 45° | |

| CUSTOM | 4-way: 4 x | custom modules L | ength: approx. 260 mm |
|--------------------|------------|---|-----------------------|
| | Anodised a | aluminium profile; without power connection | |
| | 909.000 | without socket outlets | |
| | | | |
| | | | |
| USB CHARGER CUSTOM | 4-way: 1 x | USB double charger (5.2 V /2.15 A) + custom modules + power socket outle | ets L: approx. 260 mm |
| | Anodised a | luminium profile; power input: GST18i3 plug, power output: GST18i3 socket | |





8-way power strips for Conference / Top Frame

Power cables and custom modules are available separately. See glossary for country-specific information.

| Art. no. | Version |
|----------|---------|
|----------|---------|

| USB CHARGER CUSTOM | 8-way: 1 x | USB double charger (5.2 V/2.15 A) + custom modules + power socket outlets | L: approx. 444 mm |
|-----------------------|------------|--|-------------------|
| - | Anodised a | luminium profile; power input: GST18i3 plug, power output: GST18i3 socket | |
| | 909.0057 | \cdot 3 socket outlets with earthing contact, child-proof, black, set at 35° | |
| O.C.C. | | 1 x USB double charger, 4 x custom modules | |
| and the second second | 909.0060 | \cdot 3 French / UTE socket outlets, child-proof, black, set at 35° | |
| Contraction of | | · 1 x USB double charger, 4 x custom modules | |
| | 909.0058 | \cdot 3 UK 3.15 A individually fused, child-proof, black, set at 45° | |
| | | 1 x USB double charger, 2 x custom modules | |
| 1 | | | |

* No storage type

8-way power strips for Conference / Top Frame

Power cables and custom modules are available separately. See glossary for country-specific information.

Art. no. Version

| Anodiand | custom modules + power socket outlet | Length: approx. 444 mm |
|-------------------|---|------------------------|
| oaisea : 9.005 | aluminium profile; power input: GST18i3 plug, power output: GST18i3 s | UCKEL |
|)9.005)9.012 | 2 socket outlets with earthing contact, child-proof, black, set at 35° | |
| 9.033* | 2 French / UTE socket outlets, child-proof, black, set at 35° 2 Swiss / CH socket outlets, black, set at 0° | |
| 9.033 | · 2 SWISS / CH SOCKEL OULIELS, DIACK, SET AL O | |
| -way: 5 > | custom modules + power socket outlet | Length: approx. 444 mm |
| | aluminium profile; power input: GST18i3 plug, power output: GST18i3 s | ocket |
| 09.006 | · 3 socket outlets with earthing contact, child-proof, black, set at 35° | |
| 909.013 | · 3 French / UTE socket outlets, child-proof, black, set at 35° | |
| 909.0029* | \cdot 2 UK 3.15 A individually fused, child-proof, black, set at 45° | |
| 8-way: 4 > | custom modules + power socket outlet | Length: approx. 444 mm |
| nodised | aluminium profile; power input: GST18i3 plug, power output: GST18i3 s | ocket |
| 909.007 | \cdot 4 socket outlets with earthing contact, child-proof, black, set at 35° | |
| 909.014 | · 4 French / UTE socket outlets, child-proof, black, set at 35° | |
| 909.019* | · 5 Swiss / CH socket outlets, black, set at 0° | |
| 909.050* | \cdot 4 Italian / earth contact combination, black, set at 35° | |
| 909.0028 | \cdot 2 UK 3.15 A individually fused, child-proof, black, set at 45° | |
| 8-way: 3 x | custom modules + power socket outlet | Length: approx. 444 mm |
| Anodised | aluminium profile; power input: GST18i3 plug, power output: GST18i3 s | ocket |
| 909.008 | · 5 socket outlets with earthing contact, child-proof, black, set at 35° | |
| 909.015 | · 5 French / UTE socket outlets, child-proof, black, set at 35° | |
| 909.020* | · 6 Swiss / CH socket outlets, black, set at 0° | |
| 909.0027* | → 3 UK 3.15 A individually fused, child-proof, black, set at 45° | |
| 8-way: 2 > | custom modules + power socket outlet | Length: approx. 444 mm |
| Anodised | aluminium profile; power input: GST18i3 plug, power output: GST18i3 s | ocket |
| 909.009 | · 6 socket outlets with earthing contact, child-proof, black, set at 35° | |
| 909.016 | \cdot 6 French / UTE socket outlets, child-proof, black, set at 35° | |
| 909.0026 | \cdot 4 UK 3.15 A individually fused, child-proof, black, set at 45° | |
| | custom modules | Length: approx. 444 mm |
| | aluminium profile; without power connection | |
| 909.001 | without socket outlets | |
| CONFER | ENCE guide rail set | |
| | Version | |
| Art. no. | | |
| - | NCE guide rail set | Black |
| CONFERE | STORE guide rail set strips (pages 6 - 7) | Black |

CONI brings flexibility to the desktop, for example in conference and training rooms. CONI facilitates unrestricted individual access to power, media and data right on the table or desk top. Minimal depth also means no restriction on leg movement under the desk or table, even where the units are fitted near the edge. Furthermore, a wide range of standard surface finishes ensures a high level of design freedom.

When not in use, CONI integrates into the surface of the desk or table. Should you need power, data or media, simply open the cover, plug into a socket and close the cover again. The integrated brush insert prevents cables jamming. The harmonious appearance of an "even" table is retained.

Configuration of CONI data connections can be freely selected (see custom modules from page 66). Power strips can also be interchanged quickly and at any time, without the need for tools. Integrated functionality and flexibility not just for today but also for the advancements of tomorrow.

| The advantages | Integrated into the top of the desk or table |
|----------------|--|
| at a glance | Minimum built-in depth, robust frame design |
| | • Integrated brush insert for closing once cables have |
| | been connected |
| | Configuration can be freely selected (see custom |
| | modules from page 66) |
| | Complete power strip can be quickly interchanged |
| | Suitable for retrofitting |



CONI provides unrestricted access to power, media and data supplies. Thanks to the integrated brush insert, the cover can be closed once devices have been connected without jamming the cables.





Version

Art. no.

CONI built-in frame, short and long version

Built-in depth is 56 mm, suitable for desk or table top thicknesses of 10 mm and above. The R5 corner radius facilitates flush mounting in desks or tables.

The brush strips can easily be replaced with colour strips; no tools are required. Simply remove the built-in frame from the top of the desk or table and unscrew the 3 re-usable plastic rivets. **CONI built-in frame short** Outer dimensions: approx. 248 x 151 mm

Outer dimensions: approx. 386.5 x 151 mm

CONI built-in frame long













| CONI shor | t | Silver grey |
|---------------------------|--------------------------------|-----------------|
| 338.0203 | Silver-grey similar to RAL9006 | |
| | | |
| | | Cilian mar |
| CONI long | | Silver grey |
| 338.0205 | Silver-grey similar to RAL9006 | |
| | | |
| CONI shor | t | Anthracite |
| 338.0204 | Anthracite | |
| | | |
| CONLIGNO | | Anthroaita |
| CONI long 338.0206 | · Anthracite | Anthracite |
| 338.0206 | ·Anthracite | |
| | | |
| CONI shor | t | Chrome-plated |
| 338.0214 | · Chrome-plated | |
| | | |
| | | |
| CONI long | · Chrome-plated | Chrome-plated |
| 330.0221 | · Onrome-plated | |
| | | |
| CONI shor | t | Satin white |
| 911.000 | Satin white RAL9010 | |
| | | |
| CONI long | | Satin white |
| | Satin white RAL9010 | |
| 011.001 | | |
| | | |
| CONI shor | | Black |
| 911.002 | · Black RAL9005 | |
| | | |
| CONI long | | Black |
| 911.003 | · Black RAL9005 | Ditok |
| 0000 | | |
| | | |
| CONI shor | t | Stainless steel |
| 911.004 | · Ground stainless steel | |
| | | |
| CONI long | | Stainless steel |
| 911.005 | · Ground stainless steel | Ottimess steer |
| 011.000 | | |

CONI bracket

- For mounting CONI power strips without using a built-in frame, can be installed e.g. under a desk or table top in a cable tray. Standard chipboard screws (which can be purchased from all good retailers) are required for mounting.
- \cdot Takes account of the rear-side outlet and bending radii of power and data connections.

| CONI mou | unting high | | |
|----------|--|---|--|
| 918.002 | ·Black | | |
| | · 2 pcs in plastic bag | | |
| | · Distance between socket outlet profile and floor: 30 mm from floor to top edge | | |
| | • Power strip: 74 mm | 1 | |
| | | - | |
| | | and the second se | |

CONI holder

- \cdot For optional mounting on CONI mounting frame (short and long version)
- \cdot Allows excess lengths of cable to be stowed when plugged in
- \cdot Easy to fit by hooking into mounting frame already fitted, using plastic rivets supplied
- \cdot Small extra built-in depth of approx. 20 mm in addition to depth of mounting frame



Art. no. Version

| CONI hold | ler | |
|-----------|--|--|
| 911.910 | · Version for Coni mounting frame, short | |
| 911.913 | Version for Coni mounting frame, long | |

CONI brushes

Art. no.VersionCONI brush strip short911.900· Red911.901· Blue911.902· White911.903· Yellow911.904· Black

| CONI brus | CONI brush strip long | | |
|-----------|-----------------------|--|--|
| 911.905 | ·Red | | |
| 911.906 | ·Blue | | |
| 911.907 | ·White | | |
| 911.908 | ·Yellow | | |
| 911.909 | ·Black | | |



3-way power strips for CONI

Power cables and custom modules are available separately. See glossary for country-specific information.

| | Art. no. | Version | |
|--------|------------|---|------------------------|
| CUSTOM | 3-way: 2 x | custom modules + power socket outlet | Length: approx. 217 mm |
| | Anodised a | luminium profile; power input: 0.1 m cable and GST18i3 plug | |
| | 912.002 | \cdot 1 socket outlet with earthing contact, child-proof, black, set at 35° | |
| | 912.009 | \cdot 1 French / UTE socket outlet, child-proof, black, set at 35° | |
| | 912.016 | 1 Swiss / CH socket outlet, black, set at 0° | |
| | 912.0055* | \cdot 1 Italian / earth contact combination, black, set at 35° | |

| CUSTOM | 3-way: 1 x | custom module + power socket outlets | Length: approx. 217 mm |
|--------|------------|--|------------------------|
| 545 V | Anodised a | luminium profile; power input: 0.1 m cable and GST18i3 plug | |
| | 912.003 | \cdot 2 socket outlets with earthing contact, black, set at 35° | |
| 000 | 912.010 | \cdot 2 French / UTE socket outlets, child-proof, black, set at 35° | |
| + | 912.015 | \cdot 3 Swiss / CH socket outlets, black, set at 0° | |
| + | 912.037* | · 1 socket outlet with earthing contact, black, set at 35° | |
| | | 1 Swiss / CH socket outlet, black, set at 0° | |
| | 912.045* | \cdot 2 UK 3.15 A individually fused, child-proof, black, set at 90° | |

| CUSTOM | 3-way: 1 x custom module + power socket outlets, black and red | Length: approx. 217 mm |
|---------|--|------------------------------|
| | Anodised aluminium profile; power input: 2 x 0.1 m cable (black and re | ed) and GST18i3 plug (black) |
| | 912.023* · 1 socket outlet with earthing contact, black, set at 35° | |
| | \cdot 1 socket outlet with earthing contact, red, set at 35° | |
| CO DE | | |
| | 3-way: 2 x CAT5e + power socket outlets | Length: approx. 217 mm |
| | Anodised aluminium profile; power input: 0.1 m cable and GST18i3 plu | g |
| 1 1 1 1 | 333.1008 · 2 socket outlets with earthing contact, black, set at 35° | |
| 53.9 | · 2 CAT5e RJ45, front: socket / rear: socket | |
| | | |
| • | 3-way: Power socket outlets | Length: approx. 217 mm |
| | Anodised aluminium profile; power input: 0.1 m cable and GST18i3 plu | g |
| | 333.1007 3 socket outlets with earthing contact, black, set at 35° | |
| CO. C. | | |
| CUSTOM | 3-way: 3 x custom modules | Length: approx. 217 mm |
| | Anodised aluminium profile; without power connection | |
| 114 | 912.000 without socket outlets | |
| 10 | | |
| | | |
| | | |

| | Art. no. | Version |
|--------------------|------------|--|
| USB CHARGER CUSTOM | 3-way: 1 x | USB double charger (5.2 V/2.15 A) + custom modules + power socket outlets Length: approx. 217 mm |
| | Anodised a | luminium profile; power input: 0.1 m cable and GST18i3 plug |
| | 912.0167 | · 1 socket outlet with earthing contact, child-proof, black, set at 35° |
| a contraction | | \cdot 1 x USB double charger (5.2 V/2.15 A), 1 x custom module |
| | 912.0156 | · 2 socket outlets with earthing contact, child-proof, black, set at 35° |
| | | · 1 x USB double charger (5.2 V/2.15 A) |
| | 912.0171 | 1 French / UTE socket outlet, child-proof, black, set at 35° |
| | | · 1 x USB double charger (5.2 V/2.15 A), 1 x custom module |
| NEW | | |

* No storage type

6-way power strips for CONI

Power cables and custom modules are available separately. See glossary for country-specific information.

| Art. no. | Version | | |
|--------------------|--|------------------------------|--|
| 6-way: 5 x | c custom modules + power socket outlet | Length: approx. 356 mm | CUSTOM |
| Anodised | aluminium profile; power input: 0.1 m cable and GST18i3 plug | | |
| 912.004 | \cdot 1 socket outlet with earthing contact, child-proof, black, set at 35° | | |
| 6-way: 4 x | c custom modules + power socket outlet | Length: approx. 356 mm | СИЗТОМ |
| | aluminium profile; power input: 0.1 m cable and GST18i3 plug | Longan approxi ooo inni | |
| 912.005 | · 2 socket outlets with earthing contact, child-proof, black, set at 35° | | O'DITE. |
| 912.011 | · 2 French / UTE socket outlets, child-proof, black, set at 35° | | |
| 912.017 | · 3 Swiss / CH socket outlets, black, set at 0° | | + |
| 912.0125* | \cdot 1 UK 3.15 A individually fused, child-proof, black, set at 45° | | |
| 6-wav: 3 x | c custom modules + power socket outlet | Length: approx. 356 mm | СИЗТОМ |
| | aluminium profile; power input: 0.1 m cable and GST18i3 plug | | CUSTOM |
| 912.006 | · 3 socket outlets with earthing contact, child-proof, black, set at 35° | | and the second se |
| 912.012 | \cdot 3 French / UTE socket outlets, child-proof, black, set at 35° | | |
| 912.018 | \cdot 4 Swiss / CH socket outlets, black, set at 0° | | + |
| 912.022* | \cdot 3 UK 3.15 A individually fused, child-proof, black, set at 90° | | |
| 912.0124* | \cdot 2 UK 3.15 A individually fused, child-proof, black, set at 45° | | |
| 6-way: 2 > | custom modules + power socket outlet | Length: approx. 356 mm | CUSTOM |
| Anodised | aluminium profile; power input: 0.1 m cable and GST18i3 plug | | CO. CO. |
| 912.007 | \cdot 4 socket outlets with earthing contact, child-proof, black, set at 35° | | |
| 912.013 | \cdot 4 French / UTE socket outlets, child-proof, black, set at 35° | | |
| 912.019 | · 5 Swiss / CH socket outlets, black, set at 0° | | + |
| 912.035* | 1 socket outlet with earthing contact, black, set at 35° | | + |
| 010 0100 | 3 Swiss / CH socket outlets, black, set at 0° | | |
| 912.0123 | \cdot 3 UK 3.15 A individually fused, child-proof, black, set at 45° | | |
| | custom module + power socket outlet | Length: approx. 356 mm | CUSTOM |
| | aluminium profile; power input: 0.1 m cable and GST18i3 plug | | and the second sec |
| 912.008 912.014 | 5 socket outlets with earthing contact, child-proof, black, set at 35° | | |
| 912.014 | • 5 French / UTE socket outlets, child-proof, black, set at 35° • 4 UK 3.15 A individually fused, child-proof, black, set at 90° | | |
| 912.021 | • 4 UK 3.15 A individually fused, child proof, black, set at 45° | | |
| | | | |
| | c custom modules + power socket outlet, black and red | Length: approx. 356 mm | CUSTOM |
| | aluminium profile; power input: 2 x 0.1 m cable (black and red) and GST | 1813 plug (black) | 0 50 |
| 912.024 | • 1 socket outlet with earthing contact, child-proof, black, set at 35° | | |
| | \cdot 2 socket outlets with earthing contact, child-proof, red, set at 35° | | |
| | c custom modules + power socket outlet, black and red | Length: approx. 356 mm | CUSTOM |
| | aluminium profile; power input: 2 x 0.1 m cable (black and red) and GST | 1813 plug (black) | 0.59 |
| 912.025 | • 2 socket outlets with earthing contact, black, set at 35° | | |
| | · 2 socket outlets with earthing contact, red, set at 35° | | |
| | custom modules | Length: approx. 356 mm | CUSTOM |
| | aluminium profile; without power connection | | a la ch |
| 912.001 | without socket outlets | | 1 |
| | | | |
| Art. no. | Version | | 3753 |
| | | vilata Langth, annuar 050 | |
| | USB double charger (5.2 V/2.15 A) + custom modules + power socket ou aluminium profile; power input: 0.1 m cable and GST18i3 plug | uters Length: approx. 356 mm | CUSTOM USB CHARGER |
| 912.0168 | 2 socket outlets with earthing contact, child-proof, black, set at 35° | | |
| 512.0100 | 1 x USB double charger, 3 x custom modules | | . at |
| 912.0169 | · 3 Swiss / CH socket outlets, child-proof, black, set at 90° | | + |
| | • 1 x USB double charger, 3 x custom modules | | 2 |
| 912.0172 | · 2 French / UTE socket outlets, child-proof, black, set at 35° | | |
| | 1 x USB double charger, 3 x custom modules | | 2. 2 |
| 912.0170 | \cdot 2 UK 3.15 A individually fused, child-proof, black, set at 45° | | |
| | • 1 x LISB double charger 2 x custom modules | | |



CONI COVER Easy access



CONI COVER is an elegant way of accessing separate power supply units or standard cable installation systems under the tops of desks and tables. It is ideal, for example, for desks and tables with built-in cable ducts. CONI COVER can of course also be retrofitted to existing equipment.

To access the connections under the desktop or tabletop, simply open the cover of the CONI COVER. Thanks to the integrated brush insert, the cover can even be closed again with devices connected. The harmonious appearance of an "even" table is retained.

CONI COVER, the refined cover for practical solutions - access couldn't be easier!

| The advantages | Compatible with all makes of duct and furniture |
|----------------|--|
| at a glance | Ideal for retrofitting |
| | • Integrated brush insert for closing even when cables |
| | are connected |
| | |

Art no Varaian

CONI COVER built-in frames are available in short and long versions. The R5 corner radius facilitates flush mounting in desks or tables. The built-in depth of 24 mm is suitable for a minimum desk or table top thickness of 16 mm. Fixing to the desk of table top is with 4 screws. These are screwed on from the inside through corresponding holes on the long sides of the built-in frame. Fitting instructions and cut-out dimensions are supplied with the unit.

CONI COVER built-in frame short

Outer dimensions: 248 x 149 mm

| Art. no. Version | |
|--|-------------|
| CONI COVER short | Silver grey |
| 338.0081 · Sheet steel silver-grey RAL9006 (similar) | |
| CONI COVER long | Silver grey |
| 338.0080 · Sheet steel silver-grey RAL9006 (similar) | |
| CONI COVER short | Satin white |
| 911.500 · Satin white RAL9010 | |
| CONI COVER long | Satin white |
| 911.501 · Satin white RAL9010 | |
| CONI COVER short | Black |
| 911.502 · Black RAL9005 | |
| CONI COVER long | Black |
| 911.503 · Black RAL9005 | |

CONI COVER and STEP. The expandable combination.

The modular design of the STEP power strips puts everything you need for your specific, customised supply of power and data at your fingertips. CONI COVER with its integrated brush insert provide access that is both fast and elegant. For STEP see from page 60.





Easy access to all power supply units located under the table or desk top - for example to modular STEP power strips.

You will find STEP on page 60

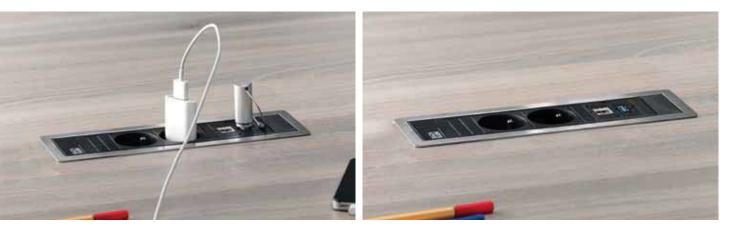
POWER FRAME is the compact solution for integrated and easily accessible power and data connections for workstations. They can be either factory fitted or supplied for retrofitting.

They can be either factory litted of supplied for retrolitting.

Combining compact dimensions with high-quality timeless design, POWER FRAME opens up virtually unlimited application options that go far beyond the realm of office workstations. Such as in sales showrooms and display windows and at trade fair and demonstration stands. In short, wherever secure and rapid connections are the order of the day.

Your chosen power strip simply plugs into the built-in frame from below without tools - a stroke of perfection. POWER FRAME - for a more compact and more efficient solution.

| The advantages | Compact dimensions | |
|----------------|---|--|
| at a glance | Suitable for retrofitting | |
| | Timeless design | |
| | Versatile in application | |
| | Rapid installation of complete power strips | |



POWER FRAME is the solution for easy-to-access power and data connections at workstations and elsewhere. The power strip simply clicks into the built-in frame from below.



POWER FRAME Compact and efficient

POWER FRAME - the practical unit for fast fitting.



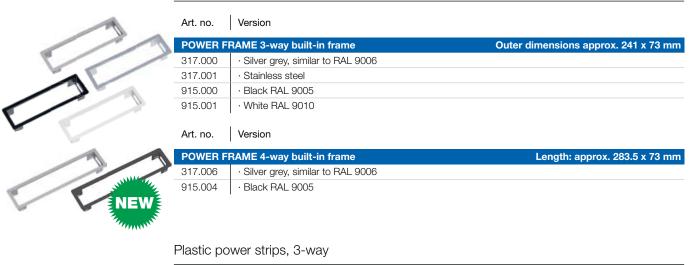
POWER FRAME is an easily accessible unit for supplying electricity to workstations. The power strip clicks into the built-in frame and can be interchanged or fitted with custom modules as required.



Built-in frame for desk/table top thicknesses:from 10 mmInstallation depth (of built-in frame):approx. 36 mmCorner radius for flush mounting:R5Total installation depth (with cables):approx. 70 mm

The power and data sockets are located on the rear of the power strip.

Built-in frame



Art. no. Version

| CUSTOM | 3-way: 2 x | c custom modules + power socket outlet | Length: approx. 220 mm |
|--------|-------------|--|------------------------|
| | Plastic pro | file; power input: 0.1 m cable and GST18i3 plug | |
| | 916.061 | \cdot 1 socket outlet with earthing contact, child-proof, black, set at 35° | |
| 0 | 916.063 | \cdot 1 French / UTE socket outlet, child-proof, black, set at 35° | |
| СИЗТОМ | 3-way: 1 x | custom module + power socket outlets | Length: approx. 220 mm |
| | Plastic pro | file; power input: 0.1 m cable and GST18i3 plug | |
| | 916.060 | · 2 socket outlets with earthing contact, child-proof, black, set at 35° | |
| 000 | 916.062 | \cdot 2 French / UTE socket outlets, child-proof, black, set at 35° | |
| СИЅТОМ | 3-way: Po | wer socket outlets | Length: approx. 220 mm |
| | Plastic pro | file; power input: 0.1 m cable and GST18i3 plug | |
| - E) | 317.117 | \cdot 3 socket outlets with earthing contact, child-proof, black, set at 35° | |
| | 916.059 | · 3 French / UTE socket outlets, child-proof, black, set at 35° | |
| | | | |

Aluminium power strips, 3-way

| Art. no. Ver | sion |
|--------------|------|
|--------------|------|

| 3-way: 2 x | custom modules + power socket outlets | Length: approx. 220 mm CUSTOM |
|------------|---|-------------------------------|
| Anodised a | aluminium profile; power input: 0.1 m cable and GST18i3 plug | |
| 916.001 | \cdot 1 socket outlet with earthing contact, child-proof, black, set at 35° | |
| 916.003 | • 1 French / UTE socket outlet, child-proof, black, set at 35° | |
| 916.005* | 1 Swiss / CH socket outlet, black, set at 0° | • |

| 3-way: 1 x | vay: 1 x custom module + power socket outlets Length: approx. 220 | | CL | JSTOM |
|------------|--|--|----|-------|
| Anodised a | aluminium profile; power input: 0.1 m cable and GST18i3 plug | | | |
| 916.000 | \cdot 2 socket outlets with earthing contact, child-proof, black, set at 35° | | | |
| 916.002 | \cdot 2 French / UTE socket outlets, child-proof, black, set at 35° | | | |
| 916.004* | \cdot 3 Swiss / CH socket outlets, black, set at 0° | | - | |
| 916.082 | \cdot 2 UK 3.15 A individually fused, child-proof, black, set at 90° | | | 1 |

| 3-way: 2 x | CAT5e + power socket outlets | Length: approx. 220 mm |
|-------------------|--|------------------------|
| Anodised a | luminium profile; power input: 0.1 m cable and GST18i3 plug | |
| 317.101 | 2 socket outlets with earthing contact, child-proof, black, set at 35° 2 CAT5e RJ45, front: socket / rear: socket | |
| 3-way: Po | wer socket outlets | Length: approx. 220 mm |
| All a all a all a | | |
| Anodised a | luminium profile; power input: 0.1 m cable and GST18i3 plug | |
| 317.100 | luminium profile; power input: 0.1 m cable and GST18i3 plug · 3 socket outlets with earthing contact, child-proof, black, set at 35° | |
| | | |

| 3-way: 3 x | custom modules L | ength: approx. 220 mm CUSTOM |
|------------------------|---|---|
| Anodised a | luminium profile; without power connection | a set h |
| 916.010 | Custom module-only variant | |
| 3-way: 1 x U | JSB double charger (5.2 V/2.15 A) + 1 x custom module + power socket outlets | Length: approx. 220 mm CUSTOM USB CHABO |
| Anodised al | luminium profile; power input: 0.1 m cable and GST18i3 plug | |
| 916.0039 | \cdot 1 socket outlet with earthing contact, child-proof, black, set at 35° | |
| 916.0042 | \cdot 1 French / UTE socket outlet, child-proof, black, set at 35° | Term |
| 3-way: 1 x | USB double charger (5.2 V/2.15 A) + power socket outlets | ength: approx. 220 mm CUSTOM USB CHARGER |
| Anodised al | luminium profile; power input: 0.1 m cable and GST18i3 plug | |
| 916.0040 | \cdot 2 socket outlets with earthing contact, child-proof, black, set at 35° | 1. 1. 2. 3. 1. |
| Power stri Art. no. | ps, 4-way Version | |
| 4-way: 1 x L | JSB double charger (5.2 V/2.15 A) + 2 x custom modules + power socket outlet | ts L: approx. 261.9 mm CUSTOM USB CHARGER |
| Anodised al | luminium profile; power input: 0.1 m cable and GST18i3 plug | |
| 916.0041* | \cdot 1 socket outlet with earthing contact, child-proof, black, set at 35° | a set |
| 4-way: 2 x | custom modules + power socket outlets | L: approx. 261.9 mm CUSTOM |
| Black plastic | c; power input: 0.1 m cable and GST18i3 plug | |
| 916.0601 | \cdot 2 socket outlet with earthing contact, child-proof, black, set at 35° | a second |
| 4-way: 3 x | custom modules + power socket outlets | L: approx. 261.9 mm CUSTOM |
| Black plastic | c; power input: 0.1 m cable and GST18i3 plug | * |
| 916.0611 | 1 socket outlet with earthing contact, child-proof, black, set at 35° | the second |
| No storage t | type | V. |



POWER FRAME COVER Who'd have thought power could be so elegant?

The compact POWER FRAME has evolved into the POWER FRAME COVER. An elegant and attractive aluminium cover, designed especially for conference and office environments with a strong design element, which also protects power and data connections from dust and dirt.

| The advantages | • Design piece made from anodised aluminium | | |
|----------------|---|--|--|
| at a glance | For conference tables and desks | | |
| | Access to power supply and data from any seat | | |
| | Dust protection | | |
| | Versatile: can be combined with socket outlet and | | |
| | data/audio/video modules | | |
| | • Versatile: can be combined with socket outlet and | | |

POWER FRAME COVER

Art. no. Version

| POWER FRAME COVER 3-way | | Dimensions approx. 255 x 87 x 8 mm |
|---|-------------|------------------------------------|
| 3-way black Power Frame (art. 915.000), with aluminium flap, for gluing into desk or table | | |
| 915.500 | · Aluminium | |
| 915.503· Aluminium, painted in white RAL 9010915.501· Aluminium, painted in stainless steel | | |
| | | |

| POWER F | RAME COVER 4-way | Dimensions approx. 298 x 87 |
|------------|--|-----------------------------|
| 4-way blac | k Power Frame (art. 915.004), with aluminium flap, for gluing in | nto desk or table |
| 915.502 | · Aluminium | |

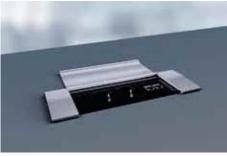
Only power strips with evenly flush custom modules can be used in conjunction with the POWER FRAME COVER.

See previous pages for suitable power strips.





















TWIST is a power strip for office, lounge and kitchen areas. With its compact design and low installation depth, it is easily integrated in desks or kitchen worktops. Because the power cable is routed close to the housing, the installation depth is only around 40 mm, so the unit can be easily installed above a drawer.

With a choice of stainless steel or chrome look finish, the TWIST blends easily into both modern and organic interiors. After use, simply rotate the cover and the socket outlets disappear underneath it. The TWIST won the Red Dot Product Design Award 2012.





The advantages • Very low installation depth (approx. 40 mm)

at a glance

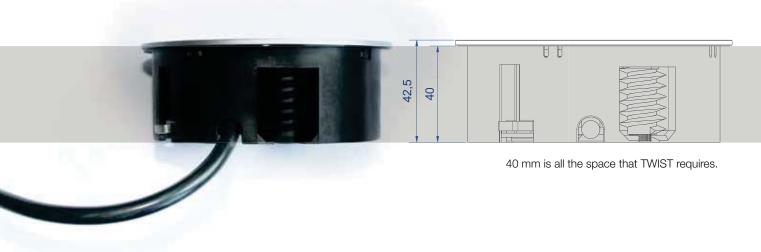
- Compact design (H x diameter: approx. 42.5 x 115 mm)
- Space-saving cable routing
- Quick and easy to install
- Stainless steel or matt chrome
- Red Dot Product Design Award Winner 2012

TWIST

| Art. no. | Version | |
|-------------|---|-------------------------|
| TWIST 25 | | |
| | ainless steel look cover disc; power input: 2.0 m cable with end sleeves earthing contact mounting plug (included) | |
| 931.000 | · 2 x socket outlets with earthing contact, child-proof, black | |
| | Installation diameter 105 mm, installation depth 40 mm | |
| | for desk/table top thicknesses from 20 mm | |
| TWIST 19 | 2P | |
| Metallic m | att chrome look cover disc; power input: 0.2 m with GST18i3 plug | |
| 931.001 | · 1 x socket outlet with earthing contact, child-proof, black | |
| | · 2 x keystone mount for data sockets | |
| | Installation diameter 105 mm, installation depth 40 mm | |
| | for desk/table top thicknesses from 20 mm | T |
| | | |
| | diameter 105 mm | |
| For fitting | | |
| 931.900 | · in wood / plastic | |
| | cutting depth up to 44 mm | |
| Mounting | ool for hole saw 931.900 | - |
| 918.900 | with centre drill | |
| I | Keystone modules for 931.001 can be found in the Custom modules chapter. | Similar to illustration |

TWIST is so compact that it can even be installed above a drawer.

At 42.5 mm high, TWIST is so compact that it can be fitted on almost any surface. It can even be installed above a drawer. The cable is routed through a flexible outlet and stored in a recessed channel.



Similar to illustration



ELEVATOR The elevator is powered straight away

ELEVATOR fits perfectly in any working environment. At 79 mm in diameter, ELEVATOR is ideal for integrating power and data connections in tiny spaces.

Simply press down with your thumb to raise and lower ELEVATOR. ELEVATOR is available in two versions: with three socket outlets or with one socket outlet and two data connections. Installation is incredibly simple. ELEVATOR is placed in a cut-out 79 mm in diameter and secured to the desk or table top from below using a lock ring.

| The advantages | Press down with your thumb to raise | |
|----------------|--|---|
| at a glance | 2 configurations | and the second se |
| | Suitable for standard 79 mm hole | |
| | Quick and easy to install | . 40 |
| | Suitable for retrofitting | and the second |
| | Aluminium nickel-plated, brushed | |
| | Classic design | |
| | For desk or table top thicknesses | |
| | of 16 - 40 mm | |
| | | |

ELEVATOR

Art. no. Version

Elevator power strip

Stainless steel look aluminium profile; kitchen variant; power input: 2.0 m H05VV-F 3G 1.5 mm² with end sleeves and earthing contact mounting plug (included)

| 928.003 | 1 socket outlet with earthing contact, child-proof, black, set at 35° |
|---------|---|
| | · 2 Euro socket outlets, child-proof, black |
| | |

Anodised aluminium profile E0EV01; office variant

| Power input: 0.3 m H05VV-F 3G1.5 mm ² with GST18 plug; 3.0 m data cables and plug | | | | |
|--|---------|---|--|--|
| | 928.004 | \cdot 1 socket outlet with earthing contact, child-proof, black, set at 35° | | |
| | | · 2 CAT6 RJ45 with 3.0 m data cable and RJ45 plug | | |
| | 928.005 | \cdot 1 socket outlet with earthing contact, child-proof, black, set at 35° | | |
| | | 1 USB A socket with 3.0 m data cable and plug | | |
| | | 1 CAT6 RJ45 with 3.0 m data cable and RJ45 plug | | |
| | 928.006 | \cdot 1 socket outlet with earthing contact, child-proof, black, set at 35° | | |
| | | 1 HDMI socket with 3.0 m data cable and plug | | |
| | | 1 CAT6 RJ45 with 3.0 m data cable and plug | | |

Art. no. Version

| Hole saw | diameter 79 mm | |
|---------------|-----------------------------|-------|
| For fitting t | he ELEVATOR | |
| 928.900 | in wood / plastic | |
| | · cutting depth up to 44 mm | |
| | | |
| Mounting t | ool for hole saw | C-AL- |

918.900 · with centre drill



Ø 79

94,6

135

Dimensions in mm

ELEVATOR fits in cut-outs 79 mm in diameter

100 mm high, 79 mm in diameter: With 3 socket outlets, ELEVATOR is a tiny yet impressive powerhouse. Simply press down with your thumb to open ELEVATOR. It is simply lowered again after use.



LIFT is the totally practical combination of sophisticated looks and high-precision mechanical design. The unit is recessed neatly in the top of the desk or table when not in use. Simply touch to raise out of the desk or table ready for docking on all four sides. Once you have finished using the LIFT unit, simply push it back into its initial recessed position by hand.

LIFT can be supplied in a variety of power and data connection configurations. This highly compact unit needs a drill hole only 140 mm in diameter for installation. Built-in depth both open and closed is just 195 mm.

By setting cutting-edge technology in motion, LIFT makes power and data supply a truly enjoyable experience.

| | The advantages • Simply touch to raise | | |
|--|--|---|--|
| at a glance • Attractive looks all round | | Attractive looks all round | |
| | | Access points on four sides | |
| | | Incredibly compact dimensions | |
| | | Low built-in depth | |
| | | • 4 plug-in units on 1 height unit | |



Simply touch to raise and lower LIFT. The unit has connection points on four sides and can be equipped with a variety of power and data connection configurations.



LIFT High-tech in motion



Enclosure colour BLACK

Art. no. Version

| + |
|---|

| LIFT: Power socket outlets | | | |
|--|--|--|--|
| Enclosure c | olour black; power input: 0.5 m cable and GST18i3 plug | | |
| 904.000 · 4 socket outlets with earthing contact, child-proof, black, set at 35° | | | |
| 904.004 · 4 French / UTE socket outlets, child-proof, black, set at 35° | | | |
| 904.024* | · 4 Swiss / CH socket outlets, black, set at 0° | | |
| 904.020* | \cdot 4 UK 3.15 A individually fused, child-proof, black, set at 90° | | |

| | LIFT: 2 x CAT6 + power socket outlets | | | | |
|---|---|--|--|--|--|
| | Enclosure colour black; power input: 3.0 m cable and plug; 3.0 m data cable and RJ45 plug | | | | |
| | 904.001 · 3 socket outlets with earthing contact, child-proof, black, set at 35° | | | | |
| | 904.005 | \cdot 3 French / UTE socket outlets, child-proof, black, set at 35° | | | |
| + | 904.025* | \cdot 3 Swiss / CH socket outlets, black, set at 0° | | | |
| | 904.021* | \cdot 3 UK 3.15 A individually fused, child-proof, black, set at 90° | | | |

| | | | |
|------|----------|-------|---|
| | 1000 | | + |
| 1.00 | | 1 C 1 | |

| | LIFT: 2 x CAT6, 1 x VGA + miniature jack + power socket outlets | | | |
|--|---|--|--|--|
| | Enclosure colour black; power input: 3.0 m cable and plug; | | | |
| | CAT6 3.0 m data cable and RJ45 plug; VGA 15-pole and miniature jack with 3.0 m cable and plug | | | |
| | 904.002 | · 2 socket outlets with earthing contact, child-proof, black, set at 35° | | |
| | 904.006 | · 2 French / UTE socket outlets, child-proof, black, set at 35° | | |
| 904.026* · 2 Swiss / CH socket outlets, black, set at 0° | | | | |
| | 904.022* | · 2 UK 3.15 A individually fused, child-proof, black, set at 90° | | |

| | a second | | |
|--|----------|----|--|
| | | 00 | |

| | Enclosure colour black; power input: 3.0 m cable and plug; | | | | | | |
|---|--|--|--|--|--|--|--|
| | CAT6 3.0 m data cable and RJ45 plug; USB A socket with 3.0 m cable and plug | | | | | | |
| | 904.003 · 2 socket outlets with earthing contact, child-proof, black, set at 35° | | | | | | |
| | 904.007 | \cdot 2 French / UTE socket outlets, child-proof, black, set at 35° | | | | | |
| ÷ | 904.027* · 2 Swiss / CH socket outlets, black, set at 0° | | | | | | |
| | 904.023* | \cdot 2 UK 3.15 A individually fused, child-proof, black, set at 90° | | | | | |
| | | | | | | | |

| | LIFT: 2 x CAT6, 1 x VGA + miniature jack, 1 x HDMI, power socket outlet | | | | | | |
|-------------|---|--|--|--|--|--|--|
| | Enclosure of | colour black; power input: 3.0 m cable and plug | | | | | |
| _ | 904.045 | · CAT6 3.0 m data cable and RJ45 plug; VGA 15-pole and miniature jack with 3.0 m cable and plug | | | | | |
| | | · 1 x socket outlet with earthing contact, child-proof, black, set at 35°, with 3.0 m cable and plug | | | | | |
| | | · 2 x CAT6 RJ45 with 3.0 m data cable and RJ45 plug | | | | | |
| | | · 1 x VGA + miniature jack each with 3.0 m cable | | | | | |
| | | · 1 x HDMI with plug | | | | | |
| | | | | | | | |
| | | | | | | | |
| USB CHARGER | LIFT: 1 x U | ISB double charger (5.2 V/2.15 A), 2 x CAT6 + power socket outlets | | | | | |

Enclosure colour black; power input: 3.0 m cable and plug; 3.0 m data cable and RJ45 plug

- 904.0001* · 2 x socket outlets with earthing contact, child-proof, black, set at 35°
 - \cdot 1 x USB double charger
 - · 2 x CAT6 RJ45 socket

LIFT: 2 x CAT6, 2 x USB + power socket outlets

* No storage type

Enclosure colour SILVER

Version Art. no.

| LIFT: Powe | er so | cket o | utlets | 6 | | | |
|--------------|-------|--------|--------|---|--|--|--|
| Enclosure of | | , | | | | | |
| | | | | | | | |

904.008 · 4 socket outlets with earthing contact, child-proof, black, set at 35°

LIFT: 2 x CAT6 + power socket outlets

Enclosure colour black; power input: 3.0 m cable and plug; 3.0 m data cable and RJ45 plug 904.009 · 3 socket outlets with earthing contact, child-proof, black, set at 35°

LIFT: 2 x CAT6, 1 x VGA + miniature jack + power socket outlets

Enclosure colour black; power input: 3.0 m cable and plug;

CAT6 3.0 m data cable and RJ45 plug; VGA 15-pole and miniature jack with 3.0 m cable and plug 904.010 · 2 socket outlets with earthing contact, child-proof, black, set at 35°

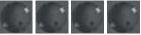
Enclosure colour black; power input: 3.0 m cable and plug; CAT6 3.0 m data cable and RJ45 plug; USB A socket with 3.0 m cable and plug 904.011 · 2 socket outlets with earthing contact, child-proof, black, set at 35°

LIFT: 2 x CAT6, 2 x USB + power socket outlets

Hole saw For LIFT installation 904.900 · Hole saw for clamping, with centre drill · 140 mm diameter



Similar to illustration

















DESK is the ideal solution for data, media and power management wherever workstations need to be flexible. Typical situations might include meeting rooms, home offices or desk sharing environments.

The modular construction of DESK enables it to be factory configured with exactly the communications and power connections required for specific workstations and applications. Thus for power connections there is a free choice of either the flexible Wieland system or permanent connections. The data connections are fitted with adapters as standard, but can likewise also be fixed connections.

When it comes to positioning the DESK units, again versatility is the key. They are fixed to the desk/table top by mounting brackets or screws or can be free-standing, as best suits the application and good style.

| The advantages | Flexibility of use regardless of location | |
|----------------|---|--|
| at a glance | With Wieland connector system or fixed cable | |
| | connections | |
| | Fixed or free-standing on desk/table | |
| | Custom versions adapt to future requirements | |



The modular construction of DESK enables it to be factory configured with exactly the communications and power connections you require. DESK can be fixed to a table or desk top or be free-standing.



DESK 1 Versatility with style

DESK 1 – every possibility at your fingertips.



Plug connections as standard

The standard power connection features a Wieland plug-in connector in the rear panel and provides both reliable power feed and also flexibility in cable length. The cables can be swapped for longer or shorter power supply cables, for example. We use Wieland's GST18 connector, which is popular all over the world, as standard. This plug connection has a catch mechanism which complies with the relevant standards and can be released again if required. The contacts on the plug connection are safe to touch. A power output socket provides a means of forwarding power to the next module.

Mounting without damage

DESK 1 can be mounted on the edge of a desk or table quickly and easily using a mounting bracket. A size 4 Allen key is required in order to tighten the inside screw on the bracket. Mounting does not damage the table/desk top. You will find a range of mounting brackets and units on page 51.

DESK 1 plus STEP in combination

Combining DESK 1 with a STEP power strip provides the ideal overall solution for an individual office workstation. DESK 1 provides easy access to power and data connections for various devices (laptop, mobile phone, USB etc.) whilst the STEP power strip under the desk/table top supplies power to fixed devices such as PC, monitor, printer etc. The STEP power strip is screwed in place underneath the top of the desk or table or placed in a duct underneath.

The integrated Wieland connector system allows multiple power strips to be connected in series in compliance with standards.





DESK 1 – Product matrix

A detailed product description can be found on the following pages.

| DESK 1 | Country code | Socket inserts | Spaces for custom modules | USB charger | Illuminated switch | CAT5e RJ45 Socket/socket | VGA+3.5 mm miniature jack | USB 3.0 A/A socket | Incl. bracket | Incl. supply cable | Child-proof | Length in mm |
|-----------|--------------|----------------|---------------------------|-------------|--------------------|-----------------------------|------------------------------|--------------------|---------------|--------------------|-------------|--------------|
| 902.0182 | DE | 2 | 1 | yes | - | - | - | - | - | - | yes | 281.3 |
| 902.011 | DE | 2 | 2 | - | - | - | - | - | - | - | yes | 322.5 |
| 902.0183* | DE | 2 | 2 | yes | - | - | - | - | - | - | yes | 323.8 |
| 902.0048 | DE | 3 | - | - | - | - | - | - | - | - | yes | 270.0 |
| 339.1002 | DE | 3 | - | - | - | - | - | - | yes | - | yes | 225.0 |
| 902.0050 | DE | 3 | - | - | yes | - | - | - | - | - | yes | 313.0 |
| 339.1001 | DE | 3 | - | - | yes | - | - | - | yes | yes | yes | 268.0 |
| 339.1004 | DE | 3 | - | - | - | 2 | - | - | yes | - | yes | 280.0 |
| 339.1005 | DE | 3 | - | - | - | 2 | 1 | - | yes | - | yes | 325.0 |
| 339.1006 | DE | 3 | - | - | - | 2 | - | 1 | yes | - | yes | 325.0 |
| 902.000 | DE | 3 | 1 | - | - | - | - | - | - | - | yes | 322.5 |
| 902.017 | DE | 3 | 1 | - | yes | - | - | - | - | - | yes | 365.0 |
| 902.001 | DE | 3 | 2 | - | - | - | - | - | - | - | yes | 365.0 |
| 902.018 | DE | 3 | 2 | - | yes | - | - | - | - | - | yes | 408.0 |
| 902.012 | DE | 1/2 | 2 | - | - | - | - | - | - | - | yes | 385.0 |
| 902.002 | DE | 3 | 3 | - | - | - | - | - | - | - | yes | 366.3 |
| 902.019 | DE | 3 | 3 | - | yes | - | - | - | - | - | yes | 450.0 |
| 902.003 | DE | 3 | 4 | - | - | - | - | - | - | - | yes | 450.0 |
| 902.0049 | DE | 4 | - | - | - | - | - | - | - | - | yes | 313.0 |
| 339.1000 | DE | 4 | - | - | - | - | - | - | yes | yes | yes | 268.0 |
| 902.0185 | UTE | 2 | 1 | yes | - | - | - | - | - | - | yes | 281.3 |
| 902.004 | UTE | 3 | 1 | - | - | - | - | - | - | - | yes | 323.0 |
| 902.005 | UTE | 3 | 2 | - | - | - | - | - | - | - | yes | 365.0 |
| 902.006 | UTE | 3 | 3 | - | - | - | - | - | - | - | yes | 366.3 |
| 902.007 | UTE | 3 | 4 | - | - | - | - | - | - | - | yes | 450.0 |
| 902.0161 | СН | 2 | 2 | yes | - | - | - | - | - | - | - | 323.8 |
| 902.008 | СН | 3 | 1 | - | - | - | - | - | - | - | - | 258.0 |
| 902.009 | СН | 3 | 2 | - | - | - | - | - | - | - | - | 301.0 |
| 902.010 | СН | 3 | 3 | - | - | - | - | - | - | - | - | 258.0 |
| 902.0184 | UK | 2 | 1 | yes | - | - | - | - | - | - | yes | 300.7 |
| 902.024 | UK | 2 | 2 | - | - | - | - | - | - | - | yes | 346.3 |
| 902.039 | UK | 3 | 2 | - | - | - | - | - | - | - | yes | 309.0 |

DESK 1 power strips

Max. 16A/230V~ See glossary for country-specific information

Power cables and mounting brackets are available separately

| | Art. no. | Version |
|--------------------|------------|---|
| | Power so | cket outlets |
| | | aluminium profile; power input: GST18 / power output: GST18 |
| 532 | 902.0048 | |
| | 902.0048 | · 3 socket outlets with earthing contact, child-proof, black, set at 35°, length 270 mm |
| | Power so | cket outlets |
| | Anodised | aluminium profile; power input: GST18 / power output: GST18 |
| | 902.0049 | · 4 socket outlets with earthing contact, child-proof, black, set at 35°, length 313 mm |
| | 902.0050 | · 3 socket outlets with earthing contact, child-proof, black, set at 35° |
| | | · 1 switch, 2-pole, illuminated |
| | | · Length 313 mm |
| | | |
| Philip Contraction | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | DESK 1 p | Dower strips Max. 16A/230V~ See glossary for country-specific information |
| | | |
| | with space | es for custom modules Power cables, custom modules and |
| | | mounting brackets are available separately |
| | Art. no. | Version |
| CUSTOM | 1 x custor | n module + power socket outlets |
| | Anodised | aluminium profile; power input: GST18 / power output: GST18 |
| • | 902.000 | · 3 socket outlets with earthing contact, child-proof, black, set at 35°, length 322.5 mm |
| 2 | 902.017 | · 3 socket outlets with earthing contact, child-proof, black, set at 35° |
| | | · 1 switch, 2-pole, illuminated, length 365 mm |
| | 902.004 | · 3 French / UTE socket outlets, child-proof, black, set at 35°, length 322.5 mm |
| 222.4 | 902.008 | \cdot 3 Swiss / CH socket outlets, black, set at 0°, length 258 mm |
| CUSTOM | 2 x custo | n modules + power socket outlets |
| | | aluminium profile; power input: GST18 / power output: GST18 |
| • | 902.001 | · 3 socket outlets with earthing contact, child-proof, black, set at 35°, length 365 mm |
| ~ | 902.011 | · 2 socket outlets with earthing contact, child-proof, black, set at 35°, length 322.5 mm |
| | 902.018 | · 3 socket outlets with earthing contact, child-proof, black, set at 35°, length 407.5 mm |
| | | · 1 switch, 2-pole, illuminated |
| | 902.005 | · 3 French / UTE socket outlets, child-proof, black, set at 35°, length 365 mm |
| | 902.009 | · 3 Swiss / CH socket outlets, black, set at 0°, length 300.5 mm |
| | 902.039* | · 3 UK 3.15 A individually fused, child-proof, black, set at 90°, length 309 mm |
| | 902.024 | · 2 UK 3.15 A individually fused, child-proof, black, set at 45°, length 346.3 mm |
| | | |
| CUSTOM | | n modules + power socket outlets |
| 2 | | aluminium profile; power input: GST18 / power output: GST18 |
| | 902.002 | 3 socket outlets with earthing contact, child-proof, black, set at 35°, length 366.3 mm |
| | 902.006 | · 3 French / UTE socket outlets, child-proof, black, set at 35°, length 366.3 mm |
| | 902.010 | · 3 Swiss / CH socket outlets, black, set at 0°, length 257.5 mm |
| 222 111 | | |
| | | |
| | | |

You can find suitable Wieland cables on page 135

* No storage type

| ith spac | es for custom modules | Power cables, custom modules and are available separately | |
|--------------------|---|--|--------------------|
| Art. no. | Version | | |
| x custon | n modules + power socket outlets | | СИЗТОМ |
| Anodised a | luminium profile; power input: GST18 / power outpu | | |
| 902.003 | · 3 socket outlets with earthing contact, child-proof, | | LAN HER |
| 902.007 | · 3 French / UTE socket outlets, child-proof, black, s | et at 35°, length 450 mm | 222 |
| 2 x custon | n modules + power socket outlets | | CUSTOM |
| Anodised a | luminium profile; power input: 2 x GST18 (black and | red) | |
| 902.012 | \cdot 1 socket outlet with earthing contact, child-proof, b | lack, set at 35° | |
| | 2 socket outlets with earthing contact, child-proof, | red, set at 35°, length 385 mm | 10.00 |
| | n module + power socket outlets + illuminated sw | | CUSTOM |
| | aluminium profile; power input: GST18 / power output | | |
| 902.017 | 3 socket outlets with earthing contact, child-proof, | DIACK, SET AT 35° | |
| | • 1 x illuminated switch; length 365 mm | | |
| | n module + power socket outlets + illuminated sw | | CUSTOM |
| | aluminium profile; power input: GST18 / power output | | |
| 902.018 | · 3 socket outlets with earthing contact, child-proof, · 1 x illuminated switch; length 407.5 mm | DIACK, SET AT 35" | ALC: NOT |
| | n modules + power socket outlets + illuminated s | | CUSTOM |
| Anodised a 902.019 | Iuminium profile; power input: GST18 / power output 3 socket outlets with earthing contact, child-proof, | | |
| 302.013 | I x illuminated switch; length 450 mm | | A STATE OF THE |
| Art. no. | Version | | |
| DESK 1 wi | th 1 x USB double charger (5.2 V /2.15 A), 1 x cus | stom modules + power socket outlets | CUSTOM USB CHARGER |
| | luminium profile; power input: GST18 / power output: (| | |
| 902.0182 | · 2 socket outlets with earthing contact, child-proof, | | |
| 902.0185 | 2 French / UTE socket outlets, child-proof, black, so | | |
| 902.0184 | · 2 UK 3.15 A individually fused, child-proof, black, s | et at 45°, length 300.7 mm | |
| DESK 1 wi | th 1 x USB double charger (5.2 V /2.15 A), 2 x cus | stom modules + power socket outlets | CUSTOM USB CHARGER |
| | luminium profile; power input: GST18 / power output: (| GST18 | |
| 902.0183* | • 2 socket outlets with earthing contact, child-proof, | | |
| 902.0161 | · 2 Swiss / CH socket outlets, black, set at 90°, leng | th 323.8 mm | 1 |

You can find suitable Wieland cables on page 135

* No storage type

Max. 16A/230V~

See glossary for country-specific information

m

- · Anodised aluminium profile, black socket outlets
- · incl. standard mounting bracket and screws

Version Art. no.

| DESK 1 3 | x earthing contact, GST18 | Length: approx. 280 mm |
|-----------|--|------------------------|
| 2 x CAT5e | | |
| 339.1004 | \cdot 3 socket outlets with earthing contact, child-proof, black, set at 35° | |
| | · 2 x CAT5e RJ45, front: socket/rear: socket | |
| | · Power input: GST18i3 plug, power output: GST18i3 socket | |
| | | |

Incl. standard mounting bracket and screws



| DESK 1 3 | Length: approx. 325 m | |
|-----------|--|--|
| 2 x CAT5e | , 1 x VGA | |
| 339.1005 | \cdot 3 socket outlets with earthing contact, child-proof, black, set at 35° | |
| | · 2 x CAT5e RJ45, front: socket/rear: socket | |
| | · 1 x VGA 15-pole + miniature jack 3.5 mm | |
| | · Power input: GST18i3 plug, power output: GST18i3 socket | |
| | | |

- · Incl. standard mounting bracket and screws



| DESK 1 3 | x earthing contact, GST18 | Length: approx. 325 mm |
|------------|--|------------------------|
| 2 x CAT5e, | 1 x USB | |
| 339.1006 | \cdot 3 socket outlets with earthing contact, child-proof, black, set at 35° | |
| | · 2 x CAT5e RJ45, front: socket/rear: socket | |
| | · 1 x USB A / A socket | |
| | · Power input: GST18i3 plug, power output: GST18i3 socket | |

· Incl. standard mounting bracket and screws

| DESK 1 3 | x earthing contact, GST18 | Length: approx. 225 mm | |
|------------------------|---|------------------------|--|
| 339.1002 | S socket outlets with earthing contact, child-proof, black, set at 35° Power input: GST18i3 plug, power output: GST18i3 socket Incl. standard mounting bracket and screws | | |
| | | | |
| DESK 1 4 | x earthing contact | Length: approx. 268 mm | |
| DESK 1 4 Fixed conr | | Length: approx. 268 mn | |
| | | Length: approx. 268 mn | |

· Incl. standard mounting bracket and screws



-

| 3 | x earthing contact | Length: approx. 268 mm |
|----|---|------------------------|
| ٦n | ection, 1 x switch | |
| | 2 appliest outlate with parthing contact, shild proof block, act at 25° | |

- · 3 socket outlets with earthing contact, child-proof, black, set at 35
- · 1 x switch 2-pole green illuminated

DESK 1

Fixed con 339.1001

- · Power input: 3.0 m, H05W-F 3G 1.50 mm², black, with right-angled earthing contact plug
- · Incl. standard mounting bracket and screws

132.5

DESK 1 accessories

| Art. no. | Version | for table/desk top thicknesses up to 50 mm | 4 | 22 |
|----------|---|--|---|-----|
| 918.001 | Stainless steel, thickness 3 mm | | | 111 |
| | · Contents: 2 stainless steel mounting br | ackets + 2 M5 x 45 mm Allen keys | | |
| | | | | 2 |

| DESK 1 s | tandard bracket | for table/desk top thicknesses up to 50 mm |
|----------|---|--|
| 930.120 | · Anodised aluminium, thickness approx. 9 mm | |
| | · Contents: | |
| | - 2 x mounting clamps, anodised aluminium profile | |
| | - 2 x M5 x 60 mm Allen bolts | |

| DESK 1 lo | ong bracket | for table/desk top thicknesses up to 80 mm |
|-----------|---|--|
| 930.180 | Mounting bracket, long, 50-80 mm | |
| | · Contents: | |
| | - 2 x mounting clamp, black painted RAL9011 | |
| | - 2 x M5 x 45 mm Allen bolts | |
| | - 2 x M5 x 60 mm Allen bolts | |

| Chipboard screw for DESK end caps | | for table/desk top thicknesses over 15 mm |
|-----------------------------------|--|---|
| 930.183 | \cdot 2 x chipboard screws 4 x 90 mm incl. brass threade | ed sleeve |

| DESK 1 m | DESK 1 mounting plate | | | | | | | |
|----------|---|--|--|--|--|--|--|--|
| 930.182 | · Black plastic | | | | | | | |
| | Mounting plates for attachment to DESK end caps | | | | | | | |
| | · Contents: | | | | | | | |
| | - 2 x mounting plates | | | | | | | |
| | - 2 x screws | | | | | | | |

- 2 x screws - 2 x TESA POWER STRIP





Automatic switchoff Switch off and save power

The Bachmann automatic switchoff unit allows efficient savings in power consumption by modern-day office equipment during non-working hours without a major outlay on wiring.

Switching equipment off completely is no longer left to chance; power saving now begins as soon as the workstation PC is shut down.

The effectiveness of this system exceeds the savings possible with master-and-slave multiple-socket outlets, since **no standby current is drawn by the master device** and total power consumption during on-working hours is exactly zero.

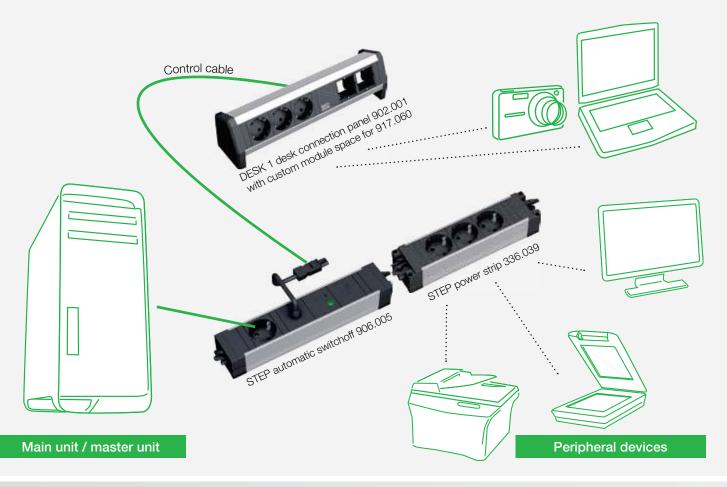
| The advantages | Complete interrupt |
|----------------|--|
| at a glance | • No standby current is drawn by the master device |
| | No electricity - no fire risk |
| | • Potential saving of up to €70 per year and workstation |
| | Improvement to carbon footprint |
| | |

Automatic switchoff system components

| STEP ALL | J automatic switchoff | Length: approx. 263 mm | |
|----------|--|------------------------|---|
| 906.005 | Anodised aluminium profile | | |
| | \cdot 1 x automatic switchoff device with socket outlet with earthing contact | | |
| | 1 x button connection with 0.5 m cable and connector for linking to module 917.060 | | 1 |
| | · Power input: GST18i3 plug, power output: GST18i3 socket | | |
| Module 1 | x button automatic switchoff / Automatic Saves Energy | | 2 |
| 17.060 | · 1 x button, black, with 1.0 m cable and 2-pole connector | | |
| | Pressing the button subsequently restores power to the connected equipment. | | |
| | \cdot Use in any power strip with custom modules | | |

A desk connection panel with custom module space and a STEP are needed to complete the system.

Savings of up to \in 70 a year and workstation are possible with the automatic switchoff.



GREEN

DESK 2 is a multiple-socket outlet that can be populated with various communication modules. It has been designed for flexible use in the office, meeting rooms, home offices or desk sharing environments.

The outlet is made from aluminium and is available in various colours. The connections are screwed onto the standardised module windows and can be easily changed over.

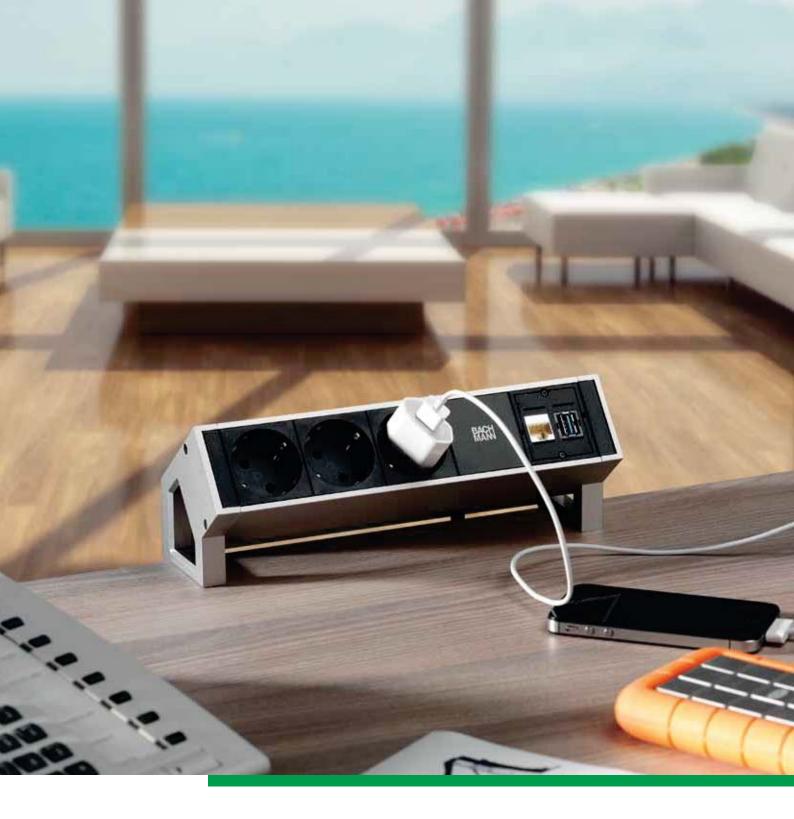
DESK 2 is secured to the desktop with aluminium mounting brackets, and cables are routed behind the screen.

DESK 2 won the red dot design award 2011 and the IF Product Design Award 2012 and was nominated for the German Design Award 2012. The design is unostentatious and straightforward, the materials used durable and high-quality.

| The advantages | Design solution for modern workstations | | | | | |
|----------------|---|--|--|--|--|--|
| at a glance | at a glance • User-focused 45° orientation | | | | | |
| | Covered wiring to the edge of a desk or table | | | | | |
| | Custom versions adapt to future requirements | | | | | |
| | Red Dot Design Award Winner 2011 | | | | | |
| | IF Award winner 2012 | | | | | |
| | Nominated for the German Design Award 2012 | | | | | |



Particular attention has been paid to the design of the DESK 2. In terms of technology, DESK 2 has a modular structure, just like its predecessor DESK 1. Like all other Bachmann desk connection panels with media and data modules, DESK 2 is adapted to individual requirements and future purposes using Bachmann custom modules.



DESK 2 Design meets technology



| | 33 | 3 = | | DESI | K 2 - | – Proc | luct | mat | rix | | | | |
|---|----------|--------------|----------------|------------------------------|-------------|-----------------|----------------------------|--------------------|--------------------|---------------|--------------------|-------------|--------------|
| 1 | DESK 2 | Country code | Socket inserts | Spaces for custom modules | USB charger | Colour | CAT6 RJ45 socket/socket | USB 3.0 A/A socket | HDMI socket/socket | Incl. bracket | Incl. supply cable | Child-proof | Length in mm |
| | 902.203 | DE | 2 | 1 | - | white | - | - | - | yes | - | yes | 204.0 |
| | 902.228 | DE | 2 | 1 | yes | white | - | - | - | yes | - | yes | 239.2 |
| | 902.211 | DE | 2 | 2 | - | white | - | - | - | yes | - | yes | 239.0 |
| | 902.229* | DE | 2 | 2 | yes | white | - | - | - | yes | - | yes | 281.7 |
| | 902.2048 | DE | 3 | - | - | white | - | - | - | yes | - | yes | 197.0 |
| | 902.300 | DE | 3 | - | - | white | - | - | - | yes | yes | yes | 197.0 |
| | 902.301 | DE | 3 | - | - | white | 1 | 1 | - | yes | yes | yes | 239.0 |
| | 902.302 | DE | 3 | - | - | white | 2 | 1 | 1 | yes | yes | yes | 282.0 |
| | 902.200 | DE | 3 | 1 | - | white | - | - | - | yes | - | yes | 239.0 |
| | 902.201 | DE | 3 | 2 | - | white | - | - | - | yes | - | yes | 282.0 |
| | 902.202 | DE | 3 | 3 | - | white | - | - | - | yes | - | yes | 324.0 |
| | 902.232* | UTE | 2 | 1 | yes | white | - | - | - | yes | - | yes | 239.2 |
| | 902.204 | UTE | 3 | 1 | - | white | - | - | - | yes | - | yes | 239.0 |
| | 902.205 | UTE | 3 | 2 | - | white | - | - | - | yes | - | yes | 282.0 |
| | 902.213 | UK | 2 | - | - | white | - | - | - | yes | - | yes | 196.7 |
| | 902.206 | UK | 2 | 1 | - | white | - | - | - | yes | - | yes | 239.0 |
| | 902.231* | UK | 2 | 1 | yes | white | - | - | - | yes | - | yes | 274.2 |
| | 902.207 | UK | 2 | 2 | - | white | - | - | - | yes | - | yes | 274.0 |
| | 902.214 | UK | 4 | - | - | white | - | - | - | yes | - | yes | 316.7 |
| | 902.230* | СН | 2 | 2 | yes | white | - | - | - | yes | - | - | 281.7 |
| | 902.208 | СН | 3 | 1 | - | white | - | - | - | yes | - | - | 239.0 |
| | 902.209 | СН | 3 | 2 | - | white | - | - | - | yes | - | - | 282.0 |
| | 902.403 | DE | 2 | 1 | - | stainless steel | - | - | - | yes | - | yes | 204.0 |
| | 902.428 | DE | 2 | 1 | yes | stainless steel | - | - | - | yes | - | yes | 239.2 |
| | 902.411 | DE | 2 | 2 | - | stainless steel | _ | _ | _ | yes | - | yes | 239.0 |
| | 902.429* | DE | 2 | 2 | yes | stainless steel | - | - | - | yes | - | yes | 281.7 |
| | 902.4048 | DE | 3 | - | - | stainless steel | - | - | - | yes | - | yes | 197.0 |
| | 902.500 | DE | 3 | - | - | stainless steel | - | _ | - | yes | yes | yes | 197.0 |
| | 902.501 | DE | 3 | - | - | stainless steel | 1 | 1 | _ | yes | yes | yes | 239.0 |
| | 902.502 | DE | 3 | - | - | stainless steel | 2 | 1 | 1 | yes | yes | yes | 282.0 |
| | 902.400 | DE | 3 | 1 | - | stainless steel | - | - | - | yes | - | yes | 239.0 |
| | 902.401 | DE | 3 | 2 | - | stainless steel | _ | - | - | yes | - | yes | 282.0 |
| | 902.402 | DE | 3 | 3 | - | stainless steel | - | - | - | yes | - | yes | 324.0 |
| | 902.432* | UTE | 2 | 1 | yes | stainless steel | - | - | - | yes | - | yes | 239.2 |
| | 902.404 | UTE | 3 | 1 | - | stainless steel | - | - | - | yes | - | yes | 239.0 |
| | 902.405 | UTE | 3 | 2 | - | stainless steel | - | - | - | yes | - | yes | 282.0 |
| | 902.431* | UK | 2 | 1 | yes | stainless steel | - | _ | - | yes | - | yes | 274.2 |
| | 902.407 | UK | 2 | 2 | - - | stainless steel | - | - | _ | yes | - | yes | 274.0 |
| | 902.407 | UK | 2 | 1 | - | stainless steel | - | - | _ | yes | - | yes | 239.0 |
| | 902.400 | CH | 2 | 2 | yes | stainless steel | - | - | - | yes | - | - - | 281.7 |
| | 902.430 | СН | 3 | 1 | - - | stainless steel | - | - | - | yes | - | _ | 239.0 |
| | 902.408 | СН | 3 | 2 | - | stainless steel | - | - | | - | | - | 282.0 |
| l | 502.403 | | 0 | 2 | | Stanless Steel | | | - | yes | - | | 202.0 |

* No storage type

DESK 2 power strips

| Power soc | ket outlets | Length: approx. 197 mm |
|-----------|---|------------------------|
| Aluminium | profile; power input: 0.2 m H05VV-F 3G 1.5 mm ² with GST18; incl. moun | ting bracket |
| 902.2048 | \cdot 3 socket outlets with earthing contact, child-proof, black, set at 35° | |
| | Painted in RAL 9010 white | |
| 902.4048 | \cdot 3 socket outlets with earthing contact, child-proof, black, set at 35° | |
| | Painted in stainless steel | |
| 902.300 | \cdot 3 socket outlets with earthing contact, child-proof, black, set at 35° | |
| | Painted in RAL 9010 white | |
| | \cdot 1.5 m separate device supply cable, GST18/earth contact | |
| 902.500 | \cdot 3 socket outlets with earthing contact, child-proof, black, set at 35° | |
| | · Painted in stainless steel | |
| Power soc | ket outlets | |
| Aluminium | profile; power input: 0.2 m H05W-F 3G 1.5 mm² with GST18; incl. mounting | 5 |
| 902.213 | \cdot 2 UK 3.15 A individually fused, child-proof, black, set at 45° | |
| | · Painted in RAL 9010 white, length: 196.7 mm | |
| 902.214* | \cdot 4 UK 3.15 A individually fused, child-proof, black, set at 45° | |
| | · Painted in RAL 9010 white, length: 316.7 mm | |





DESK 2 power strips, empty

| | Version | |
|---|---|---|
| 1 x custo | n module + power socket outlets | Length: approx. 239 mm |
| Aluminium | profile; power input: 0.2 m H05VV-F 3G 1.5 mm ² with GST18; incl. mou | nting bracket |
| 902.200 | \cdot 3 socket outlets with earthing contact, child-proof, black, set at 35° | |
| | Painted in RAL 9010 white | |
| 902.204 | \cdot 3 French / UTE socket outlets, child-proof, black, set at 35° | |
| | Painted in RAL 9010 white | |
| 902.206 | \cdot 2 UK 3.15 A individually fused, child-proof, black, set at 45° | |
| | Painted in RAL 9010 white | |
| 902.208 | · 3 Swiss / CH T13 socket outlets, black, set at 90° | |
| | Painted in RAL 9010 white | |
| 902.400 | \cdot 3 socket outlets with earthing contact, child-proof, black, set at 35° | |
| | · Painted in stainless steel | |
| 902.404 | \cdot 3 French / UTE socket outlets, child-proof, black, set at 35° | |
| | · Painted in stainless steel | |
| 902.406 | \cdot 2 UK 3.15 A individually fused, child-proof, black, set at 45° | |
| | · Painted in stainless steel | |
| 902.408 | · 3 Swiss / CH T13 socket outlets, black, set at 90° | |
| | · Painted in stainless steel | |
| 1 x custo | n module + power socket outlets | Length: approx. 204 mm |
| | profile; power input: 0.2 m H05VV-F 3G 1.5 mm² with GST18; incl. mou | |
| 902.203 | · 2 socket outlets with earthing contact, child-proof, black, set at 35° | 0 |
| | Painted in RAL 9010 white | |
| | \cdot 2 socket outlets with earthing contact, child-proof, black, set at 35° | |
| 902.403 | | |
| 902.403 | Painted in stainless steel | |
| | Painted in stainless steel | |
| 2 x custo | Painted in stainless steel mmodules + power socket outlets | Length: approx. 239 mm |
| 2 x custo Aluminium | Painted in stainless steel m modules + power socket outlets profile; power input: 0.2 m H05VV-F 3G 1.5 mm ² with GST18; incl. mou | |
| 2 x custo | Painted in stainless steel modules + power socket outlets profile; power input: 0.2 m H05VV-F 3G 1.5 mm ² with GST18; incl. mou 2 socket outlets with earthing contact, child-proof, black, set at 35° | |
| 2 x custor Aluminium 902.211 | Painted in stainless steel modules + power socket outlets profile; power input: 0.2 m H05VV-F 3G 1.5 mm ² with GST18; incl. mou 2 socket outlets with earthing contact, child-proof, black, set at 35° 2 Painted in RAL 9010 white | |
| 2 x custo Aluminium | Painted in stainless steel n modules + power socket outlets profile; power input: 0.2 m H05VV-F 3G 1.5 mm² with GST18; incl. mou 2 socket outlets with earthing contact, child-proof, black, set at 35° Painted in RAL 9010 white 2 socket outlets with earthing contact, child-proof, black, set at 35° | |
| 2 x custor Aluminium 902.211 | Painted in stainless steel modules + power socket outlets profile; power input: 0.2 m H05VV-F 3G 1.5 mm ² with GST18; incl. mou 2 socket outlets with earthing contact, child-proof, black, set at 35° 2 Painted in RAL 9010 white | |
| 2 x custo Aluminium 902.211 902.411 | Painted in stainless steel n modules + power socket outlets profile; power input: 0.2 m H05VV-F 3G 1.5 mm² with GST18; incl. mou 2 socket outlets with earthing contact, child-proof, black, set at 35° Painted in RAL 9010 white 2 socket outlets with earthing contact, child-proof, black, set at 35° | |
| 2 x custo Aluminium 902.211 902.411 2 x custo | Painted in stainless steel modules + power socket outlets profile; power input: 0.2 m H05VV-F 3G 1.5 mm² with GST18; incl. mou 2 socket outlets with earthing contact, child-proof, black, set at 35° Painted in RAL 9010 white 2 socket outlets with earthing contact, child-proof, black, set at 35° Painted in stainless steel | nting bracket Length: approx. 274 mm |
| 2 x custo Aluminium 902.211 902.411 2 x custo | Painted in stainless steel modules + power socket outlets profile; power input: 0.2 m H05VV-F 3G 1.5 mm² with GST18; incl. mou 2 socket outlets with earthing contact, child-proof, black, set at 35° Painted in RAL 9010 white 2 socket outlets with earthing contact, child-proof, black, set at 35° Painted in stainless steel modules + power socket outlets | nting bracket Length: approx. 274 mm |
| 2 x custo Aluminium 902.211 902.411 2 x custo Aluminium | Painted in stainless steel modules + power socket outlets profile; power input: 0.2 m H05VV-F 3G 1.5 mm ² with GST18; incl. mou 2 socket outlets with earthing contact, child-proof, black, set at 35° Painted in RAL 9010 white 2 socket outlets with earthing contact, child-proof, black, set at 35° Painted in stainless steel modules + power socket outlets profile; power input: 0.2 m H05VV-F 3G 1.5 mm ² with GST18; incl. mou | nting bracket Length: approx. 274 mm |
| 2 x custo Aluminium 902.211 902.411 2 x custo Aluminium | Painted in stainless steel modules + power socket outlets profile; power input: 0.2 m H05VV-F 3G 1.5 mm² with GST18; incl. mou 2 socket outlets with earthing contact, child-proof, black, set at 35° Painted in RAL 9010 white 2 socket outlets with earthing contact, child-proof, black, set at 35° Painted in stainless steel modules + power socket outlets profile; power input: 0.2 m H05VV-F 3G 1.5 mm² with GST18; incl. mou 2 UK 3.15 A individually fused, child-proof, black, set at 45° | nting bracket Length: approx. 274 mm |

DESK 2 power strips

Art. no.

Version



| 2 x custon | n modules + power socket outlets | Length: approx. 282 mn |
|------------|--|------------------------|
| Aluminium | profile; power input: 0.2 m H05VV-F 3G 1.5 mm ² with GST18; incl. mount | ing bracket |
| 902.201 | \cdot 3 socket outlets with earthing contact, child-proof, black, set at 35° | |
| | · Painted in RAL 9010 white | |
| 902.205 | · 3 French / UTE socket outlets, child-proof, black, set at 35° | |
| | · Painted in RAL 9010 white | |
| 902.209 | · 3 Swiss / CH T13 socket outlets, black, set at 90° | |
| | · Painted in RAL 9010 white | |
| 902.401 | \cdot 3 socket outlets with earthing contact, child-proof, black, set at 35° | |
| | · Painted in stainless steel | |
| 902.405 | · 3 French / UTE socket outlets, child-proof, black, set at 35° | |
| | · Painted in stainless steel | |
| 902.409 | · 3 Swiss / CH T13 socket outlets, black, set at 90° | |
| | · Painted in stainless steel | |
| | | |
| 3 x custon | n modules + power socket outlets | Length: approx. 324 mi |



| 3 x custom modules + power socket outlets Length: approx. 324 | | | | |
|---|---|------------|--|--|
| Aluminium | profile; power input: 0.2 m H05VV-F 3G 1.5 mm ² with GST18; incl. mounti | ng bracket | | |
| 902.202 | \cdot 3 socket outlets with earthing contact, child-proof, black, set at 35° | | | |
| | · Painted in RAL 9010 white | | | |
| 902.402 | \cdot 3 socket outlets with earthing contact, child-proof, black, set at 35° | | | |
| | · Painted in stainless steel | | | |
| | | | | |

DESK 2 power strips

Art. no. Version

| USB CHARGER CUSTOM | DESK 2 wi | ith 1 x USB double charger (5.2 V /2.15 A), 1 x custom modules + power socket outlet |
|--------------------|-----------|---|
| | Aluminium | profile; power input 0.2 m H05VV-F 3G 1.5 mm ² with GST 18; incl. mounting bracket |
| | 902.228 | · 2 socket outlets with earthing contact, child-proof, black, set at 35° |
| | | · Length 239.2 mm |
| | | · Painted in RAL 9010 white |
| | 902.232* | · 2 French / UTE socket outlets, child-proof, black, set at 35° |
| 1.97.1 | | · Length 239.2 mm |
| TAT | | · Painted in RAL 9010 white |
| | 902.231* | · 2 UK 3.15 A individually fused, child-proof, black, set at 45° |
| N The | | · Length 284.2 mm |
| | | · Painted in RAL 9010 white |
| | 902.428 | · 2 socket outlets with earthing contact, child-proof, black, set at 35° |
| | | · Length 239.2 mm |
| N | | · Painted in stainless steel |
| | 902.432* | · 2 French / UTE socket outlets, child-proof, black, set at 35° |
| | | · Length 239.2 mm |
| | | · Painted in stainless steel |
| | 902.431* | · 2 UK 3.15 A individually fused, child-proof, black, set at 45° |
| | | · Length 284.2 mm |
| | | · Painted in stainless steel |

* No storage type

DESK 2 power strips

| DESK 2 w | th 1 x USB double charger (5.2 V /2.15 A), 2 x custom modules + power socket outlet | CUSTOM USB CHARGER |
|-----------|---|--------------------|
| Aluminium | profile; power input: 0.2 m H05VV-F 3G 1.5 mm ² with GST18; incl. mounting bracket | |
| 902.229* | · 2 socket outlets with earthing contact, child-proof, black, set at 35° | |
| | · Length 281.7 mm | |
| | · Painted in RAL 9010 white | |
| 902.230* | · 2 Swiss / CH T13 socket outlets, black, set at 90° | |
| | · Length 281.7 mm | |
| | · Painted in RAL 9010 white | |
| 902.429* | · 2 socket outlets with earthing contact, child-proof, black, set at 35° | |
| | · Length 281.7 mm | |
| | · Painted in stainless steel | |
| 902.430* | · 2 Swiss / CH T13 socket outlets, black, set at 90° | |
| | · Length 281.7 mm | |
| | · Painted in stainless steel | N . |

DESK 2 power strips, equipped

| 1 x custor | n module + power socket outlets | Length: approx. 239 mm |
|----------------------|--|------------------------|
| Aluminium | profile; power input: 0.2 m H05VV-F 3G 1.5 mm ² with GST18; incl. mou | inting bracket |
| 902.301 | \cdot 3 socket outlets with earthing contact, child-proof, black, set at 35° | |
| | · Painted in RAL 9010 white | |
| | · 1 CAT6 coupling socket/socket | |
| | · 1 USB A/A 3.0 keystone module | |
| | · 1.5 m separate device supply cable, GST18/earth contact | |
| 902.501 | \cdot 3 socket outlets with earthing contact, child-proof, black, set at 35° | |
| | · Painted in stainless steel | |
| | · 1 CAT6 coupling socket/socket | |
| | · 1 USB A/A 3.0 keystone module | |
| | · 1.5 m separate device supply cable, GST18/earth contact | |
| 2 x custor | | |
| | n modules + power socket outlets | Length: approx. 282 mm |
| | n modules + power socket outlets profile; power input: 0.2 m H05VV-F 3G 1.5 mm ² with GST18; incl. mou | |
| | · · · · · · · · · · · · · · · · · · · | |
| Aluminium | profile; power input: 0.2 m H05VV-F 3G 1.5 mm ² with GST18; incl. mou | |
| Aluminium | profile; power input: 0.2 m H05VV-F 3G 1.5 mm ² with GST18; incl. mou · 3 socket outlets with earthing contact, child-proof, black, set at 35° | |
| Aluminium | profile; power input: 0.2 m H05VV-F 3G 1.5 mm ² with GST18; incl. mou · 3 socket outlets with earthing contact, child-proof, black, set at 35° · Painted in RAL 9010 white | |
| Aluminium | profile; power input: 0.2 m H05VV-F 3G 1.5 mm² with GST18; incl. mou · 3 socket outlets with earthing contact, child-proof, black, set at 35° · Painted in RAL 9010 white · 2 CAT6 coupling socket/socket | |
| Aluminium | profile; power input: 0.2 m H05VV-F 3G 1.5 mm² with GST18; incl. mou. 3 socket outlets with earthing contact, child-proof, black, set at 35° Painted in RAL 9010 white 2 CAT6 coupling socket/socket 1 USB A/A 3.0 keystone module | |
| Aluminium | profile; power input: 0.2 m H05VV-F 3G 1.5 mm² with GST18; incl. mou. 3 socket outlets with earthing contact, child-proof, black, set at 35° Painted in RAL 9010 white 2 CAT6 coupling socket/socket 1 USB A/A 3.0 keystone module 1 HDMI keystone socket/socket | |
| Aluminium 902.302 | profile; power input: 0.2 m H05VV-F 3G 1.5 mm² with GST18; incl. mot. 3 socket outlets with earthing contact, child-proof, black, set at 35° Painted in RAL 9010 white 2 CAT6 coupling socket/socket 1 USB A/A 3.0 keystone module 1 HDMI keystone socket/socket 1.5 m separate device supply cable, GST18/earth contact | |
| Aluminium 902.302 | profile; power input: 0.2 m H05VV-F 3G 1.5 mm² with GST18; incl. mou 3 socket outlets with earthing contact, child-proof, black, set at 35° Painted in RAL 9010 white 2 CAT6 coupling socket/socket 1 USB A/A 3.0 keystone module 1 HDMI keystone socket/socket 1.5 m separate device supply cable, GST18/earth contact 3 socket outlets with earthing contact, child-proof, black, set at 35° | |
| Aluminium 902.302 | profile; power input: 0.2 m H05VV-F 3G 1.5 mm² with GST18; incl. mou. 3 socket outlets with earthing contact, child-proof, black, set at 35° Painted in RAL 9010 white 2 CAT6 coupling socket/socket 1 USB A/A 3.0 keystone module 1 HDMI keystone socket/socket 1.5 m separate device supply cable, GST18/earth contact 3 socket outlets with earthing contact, child-proof, black, set at 35° Painted in stainless steel | |
| Aluminium 902.302 | profile; power input: 0.2 m H05VV-F 3G 1.5 mm² with GST18; incl. mou. 3 socket outlets with earthing contact, child-proof, black, set at 35° Painted in RAL 9010 white 2 CAT6 coupling socket/socket 1 USB A/A 3.0 keystone module 1 HDMI keystone socket/socket 1.5 m separate device supply cable, GST18/earth contact 3 socket outlets with earthing contact, child-proof, black, set at 35° Painted in stainless steel 2 CAT6 coupling socket/socket | |

Accessories

| Art. no. | Version | |
|-----------|---|---|
| DESK 2 ca | ible management | |
| Covered c | abling to the underside of desk or table edge | |
| 918.106 | Plastic, painted in RAL 9010 white | |
| 918.107 | Plastic, painted in stainless steel | * |
| | | |
| | | |

DESK 2 brackets are suitable for desk or table top thicknesses of 10 mm to 40 mm. Alternatively, DESK 1 standard brackets (art. no. 930.120) can also be used for DESK 2. In combination with DESK 2, these cover a range of 25 mm to 55 mm.



STEP embodies the principle of modularity with absolute consistency. The system is thus ideal for the flexible delivery of power and data to workstations, in partition systems, false floors and other connection types.

The modular design of STEP power strips makes for virtually endless possibilities: from simple power supply sets through to power strips with integrated data connections, RCDs/MCBs, overvoltage protection, media technology links and much more.

For electricity distribution STEP uses the Wieland connector system as standard and can therefore be supplied with a variety of cable lengths. Other plug connection systems can also be supplied on request.

STEP delivers individual tailor-made solutions meeting all the requirements of modern power and data supply. In short: Fit for the future - step by step.

The advantages | • Co

at a glance

- Consistent modularity
- Versatile applications
- Standard connection system
- Can be removed at any time
- Functional efficiency



STEP is ideal for the flexible delivery of power and data to workstations, in partition systems, false floors and other connection types.



STEP Fit for the future - step by step

STEP – the all-round system designed for expansion.







Perfectly tailored for the best connections

The STEP power strip is available with an aluminium or plastic profile. It is possible to connect multiple power strips together to form a modular system. STEP is designed primarily as a simple electricity supply unit for office work-stations. Permanently installed devices such as PCs, monitors, printers, etc. can be connected to STEP.

STEP power strips have a power input and a power output, each of which is built into the end caps. The Wieland GST18 plug connectors fitted are triedand-tested solutions for office use and have the coding and latch mechanism required to comply with the applicable standard.

Multiple fixing options

STEP power strips are versatile in their application. They can be fitted for example under table/desk tops, in cable ducts and in partitions. Different fixing options are available to suit these various applications (see from page 65).





STEP combination options

You can plug separate modules together or combine them as you wish with a connecting cable.

Thus STEP gives you your own custom power distribution system. Other plug-in connection systems (e.g. Wago Winsta, Woertz, Ensto) can be supplied on request. See glossary for country-specific information

Power cables and custom modules are available separately

| Art. no. | Version | | |
|-------------|--|--|--|
| STEP BAS | STEP BASE: Power socket outlets Length: approx. 2 | | |
| Plastic pro | file; power input: GST18 / power output: GST18 | | |
| 336.600 | \cdot 3 socket outlets with earthing contact, child-proof, black, set at 35° | | |
| 336.601 | \cdot 3 socket outlets with earthing contact, child-proof, red, set at 35° | | |
| 336.603 | \cdot 3 French / UTE socket outlets, child-proof, black, set at 35° | | |
| 906.1306 | \cdot 2 UK 3.15 A individually fused, child-proof, black, set at 45° | | |
| 906.0059 | \cdot 2 UK 3.15 A individually fused, child-proof, black, set at 45°, 2 switches | | |
| 906.0055 | \cdot 4 UK 3.15 A individually fused, child-proof, black, set at 45° | | |
| 906.0060 | \cdot 4 UK 3.15 A individually fused, child-proof, black, set at 45°, 1 switch | | |

| STEP BAS | E: Power socket outlets | Length: approx. 262.5 mm (note special length |
|--------------|---|---|
| Plastic prot | file; power input: GST18 / power output: GST18 | |
| 336.604 | \cdot 4 socket outlets with earthing contact, child-pro | oof, black, set at 35° |
| 336.606 | · 4 French / UTE socket outlets, child-proof, blac | k, set at 35° |
| 336.626 | \cdot 5 socket outlets with earthing contact, child-pro | oof, black, set at 35°, length 305 mm |
| | | |

| STEP ALU: | : Power socket outlets | ength: approx. 220 mm (note special lengths) | | |
|---|---|--|--|--|
| Aluminium profile; power input: GST18 / power output: GST18 | | | | |
| 336.039 | \cdot 3 socket outlets with earthing contact, child-proof, k | black, set at 35° | | |
| 336.067 | \cdot 3 socket outlets with earthing contact, child-proof, r | ed, set at 35° | | |
| 906.1075 | · 3 French / UTE socket outlets, child-proof, black, se | et at 35°, length 220 mm | | |
| 336.046 | \cdot 4 French / UTE socket outlets, child-proof, black, se | at 35°, length 262.5 mm | | |
| 336.072 | \cdot 3 French / UTE socket outlets, child-proof, red IT, se | et at 35° | | |
| 336.088 | \cdot 4 French / UTE socket outlets, child-proof, black, se | at at 35°, length 262.5 mm | | |
| 906.1086* | \cdot 3 Swiss / CH socket outlets, black, set at 90° | | | |
| 906.1059* | \cdot 3 UK 3.15 A individually fused, child-proof, black, see | et at 45°, length 314.5 mm | | |
| 336.076 | \cdot 3 USA socket outlets, black, set at 0°, length 195 m | Im | | |
| | | | | |

| STEP ALU | EP ALU: 1 x custom module + power socket outlets Length: approx. 220 mm CUSTOM | | | |
|-----------|--|-------|--|--|
| Aluminium | profile; power input: GST18 / power output: GST18 | | | |
| 906.000 | \cdot 2 socket outlets with earthing contact, child-proof, black, set at 35° | A CA | | |
| 906.002 | \cdot 2 French / UTE socket outlets, child-proof, black, set at 35° | | | |
| 906.071 | \cdot 2 Swiss / CH socket outlets, black, set at 90° | + | | |
| 336.079 | \cdot 2 UK 3.15 A individually fused, child-proof, black, set at 45° (length 284.8 | 5 mm) | | |

| | J: 2 x custom modules + power socket outlets profile; power input: GST18 / power output: GST18 | Length: approx. 262.5 mm | |
|----------|---|--------------------------|-----|
| 906.001 | • 2 socket outlets with earthing contact, child-proof, black, set at 35° | | 0.9 |
| 906.009* | 2 French / UTE socket outlets, child-proof, black, set at 35° | | |
| 906.080* | · 2 Swiss / CH socket outlets, black, set at 90° | | |

| STEP ALU | ALU: 1 x switch + power socket outlets Length: approx. 262.5 mm | | | |
|-----------|---|--|--|--|
| Aluminium | profile: Power input: GST18 / power output: GST18 | | | |
| 906.003 | · 3 x socket outlets with earthing contact, child-proof, black, set at 35° · Switch controls sockets only (not power output) | | | |
| 906.031 | · 3 x socket outlets with earthing contact, child-proof, black, set at 35° · Switch controls both sockets and power output | | | |

STEP ALU: 1 x USB double charger (5.2 V/2.15 A), 1 x custom module + power socket outlets L: approx. 262.8 mm CUSTOM USB CHARGER Aluminium profile; power input: GST18 / power output: GST18

906.0113* · 2 x socket outlets with earthing contact, child-proof, black, set at 35°



1.9.9

mm

hs)

All STEP safety modules are compatible with STEP ALU and STEP BASE

See glossary for country-specific information. Power cables and custom modules are available separately.

| Auminium profile; power input: GST18 / power output: GST18 336.003 • Overvoltage protection 2KV with function and fail indicator STEP ALU overvoltage protection 2KV with function and fail indicator Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18 Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18 Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18 Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18 Sator 336.014 • Characteristic B Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18 Sator Power. 336.014 • Residual current device 16A, tripping current 30mA, response time 30ms, 2-pole Etep ALU RCO, CST18 Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18 Bostor • Residual current device. 16A, tripping current 10 mA, response time 30 ms, 2-pole • Power input: GST18 / power output: GST18 906.007 • Residual current device. 16A, tripping current 30 mA, response time 30 ms, 2-pole • Power input: GST18 / power output: GST18 Sator 906.007 • Residual current device. 16A, tripping current 30 mA, response time 30 ms, 2-pole • Characteristic B; 6KA Etegth: approx. 220 mm <th>STEP AL</th> <th>U overvoltage protection, GST18</th> <th>Length: approx. 147 mm</th> | STEP AL | U overvoltage protection, GST18 | Length: approx. 147 mm |
|---|----------|--|----------------------------|
| 336.003 • Overvoltage protection 2kV with function and fail indicator STEP ALU overvoltage protection 2kV with function and fail indicator and mains filter 30 MHz STEP ALU MCB, GST18 Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18 Step ALU MCB, GST18 STEP ALU MCB, GST18 Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18 Step ALU RCD, GST18 Step ALU RCD, GST18 Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18 Step ALU RCD, GST18 Step ALU RCD, GST18 Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18 336.014 • Residual current device 16 A, tripping current 30 mA, response time 30 ms, 2-pole 20 mm STEP ALU RCD, MCB, GST18 Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18 306.067 • Residual current device 16 A, tripping current 30 mA, response time 30 ms, 2-pole 90 more input: GST18 / power output: GST18 S38.081 • Combined RCD/MCB comprising: • Residual current device 16 A, tripping current 30 mA, response time 30 ms, 2-pole • Aluminium profile; power input: GST18 / power output: GST18 Sa6.006 • Characteristic B; 6 kA STEP ALU master & slav | | | |
| Aluminium profile; power input: GST18 / power output: GST18 336.004 • Overvoltage protection 2kW with function and fail indicator and mains filter 30MHz STEP ALU MCB, GST18 Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18 | | | |
| Aluminium profile; power input: GST18 / power output: GST18 336.004 • Overvoltage protection 2kV with function and fail indicator and mains filter 30MHz STEP ALU MCB, GST18 Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18 360.015 • Characteristic B Length: approx. 220 mm STEP ALU RCD, GST18 Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18 1. Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18 1. Residual current device 16A, tripping current 30mA, response time 30ms, 2-pole STEP ALU RCD, GST18 Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18 2. Power input: GST18 / power output: GST18 906.067 • Residual current device, 16 A, tripping current 10 mA, response time 30 ms, 2-pole • Power input: GST18 / power output: GST18 2. Combined RCD/MCB comprising: • Residual current device 16A, tripping current 30mA, response time 30 ms, 2-pole • Miniature circuit-breaker 16 A, response time 30 ms, 2-pole • Ornbined RCD/MCB comprising: • Residual current device 16A, tripping current 30mA, response time 30 ms, 2-pole • Miniature circuit-breaker 16 A, response time 30 ms, 2-pole • Mauninum profile; power input: GST18 / power output: GST18 336.005 • Characteristic B; | | | |
| 336.004 • Overvoltage protection 2kV with function and fail indicator and mains filter 30 MHz STEP ALU MCB, GST18 Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18 • Uniniature circuit-breaker 16A, 2-pole • Ohracteristic B • Characteristic B STEP ALU RCD, GST18 Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18 336.014 • Residual current device 16A, tripping current 30 mA, response time 30 ms, 2-pole STEP ALU RCD, GST18 STEP ALU RCD, GST18 Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18 906.067 • Residual current device, 16 A, tripping current 10 mA, response time 30 ms, 2-pole • Power input: GST18/3 power output: GST18 STEP ALU RCD / MCB, GST18 Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18 336.065 • Combined PICD/MCB comprising: • Residual current device Al, tripping current 30 mA, response time 30 ms, 2-pole • Miniature circuit-breaker 16A rated current, 400 V, 2-pole • Characteristic B; 6kA STEP ALU master & slave, GST18 Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18 336.006 • Master & slave, CST18 Length: approx. 220 mm <td>STEP AL</td> <td>U overvoltage protection + mains and frequency filters, GS</td> <td>T18 Length: approx. 220 mm</td> | STEP AL | U overvoltage protection + mains and frequency filters, GS | T18 Length: approx. 220 mm |
| STEP ALU MCB, GST18 Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18 336.015 • Miniature circuit-breaker 16A, 2-pole • Characteristic B • Characteristic B Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18 S36.014 • Residual current device 16A, tripping current 30 mA, response time 30 ms, 2-pole STEP ALU RCD, GST18 Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18 goes.067 • Residual current device, 16 A, tripping current 10 mA, response time 30 ms, 2-pole • Power input: GST18 / power output: GST18 / socket; STEP ALU RCD / MCB, GST18 Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18 Socket; STEP ALU RCD / MCB, GST18 Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18 Socket; 336.065 • Combined RCD/MCB comprising: • Residual current device 16A, tripping current 30 mA, response time 30 ms, 2-pole • Miniature circuit-breaker 16A rated current, 400 V, 2-pole • Characteristic B; 6kA STEP ALU master & slave, GST18 Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18 36.000 • Master & slave circuit with threshold value | Aluminiu | m profile; power input: GST18 / power output: GST18 | |
| Aluminium profile; power input: GST18 / power output: GST18 336.015 • Miniature circuit-breaker 16A, 2-pole • Characteristic B • Characteristic B STEP ALU RCD, GST18 Aluminium profile; power input: GST18 / power output: GST18 336.014 • Residual current device 16A, tripping current 30 mA, response time 30 ms, 2-pole STEP ALU RCD, GST18 Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18 906.067 • Residual current device, 16 A, tripping current 10 mA, response time 30 ms, 2-pole • Power input: GST18 / power output: GST18 is socket; STEP ALU RCD / MCB, GST18 906.067 • Residual current device, 16 A, tripping current 10 mA, response time 30 ms, 2-pole • Power input: GST18 / power output: GST18 Socket; STEP ALU RCD / MCB, GST18 906.067 • Combined RCD/MCB comprising: • Residual current device 16A, tripping current 30 mA, response time 30 ms, 2-pole • Miniature circuit-breaker 16A rated current, 400 V, 2-pole • Characteristic B; 6kA STEP ALU master & slave, GST18 Master & slave, GST18 • Master & slave circuit with threshold value setting 10W and higher | 336.004 | • Overvoltage protection 2 kV with function and fail indicator a | nd mains filter 30 MHz |
| 336.015 • Miniature circuit-breaker 16A, 2-pole • Characteristic B STEP ALU RCD, GST18 Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18 336.014 • Residual current device 16A, tripping current 30mA, response time 30ms, 2-pole STEP ALU RCD, GST18 Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18 Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18 Power 30 ms, 2-pole • Power input: GST18 / power output: GST18 Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18/ Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18 Socket; STEP ALU RCD / MCB, GST18 Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18 Socket; 336.065 • Combined RCD/MCB comprising: • Residual current device 16A, tripping current 30 mA, response time 30 ms, 2-pole • Miniature circuit-breaker 16A rated current, 400 V, 2-pole • Characteristic B; 6 kA Length: approx. 220 mm STEP ALU master & slave, GST18 Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18 Socket; 336.006 • Characteristic B; 6 kA< | STEP AL | U MCB, GST18 | Length: approx. 220 mm |
| Characteristic B STEP ALU RCD, GST18 Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18 336.014 · Residual current device 16A, tripping current 30mA, response time 30ms, 2-pole STEP ALU RCD, GST18 Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18 906.067 · Residual current device, 16 A, tripping current 10 mA, response time 30 ms, 2-pole · Power input: GST18/ power output: GST18/3 socket; STEP ALU RCD / MCB, GST18 Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18/3 socket; STEP ALU RCD / MCB, GST18 Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18/3 socket; STEP ALU RCD / MCB, GST18 Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18 336.065 · Combined RCD/MCB comprising: - Residual current device 16A, tripping current 30mA, response time 30ms, 2-pole - Miniature circuit-breaker 16A rated current, 400 V, 2-pole - Characteristic B; 6kA STEP ALU master & slave, GST18 - Characteristic B; 6kA STEP ALU automatic switchoff Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18 336.006 - Master & slave, GST18 - Master & slave, GST18 - Master & slave, GST18 - Master & slave circuit with threshold value setting 10W and higher - Effective power: 0.29 W / apparent power: 1.05 W STEP ALU automatic switchoff Length: approx. 263 mm Aluminium profile; power input: GST18 / power output: GST18 See page 48 906.005 - 1 x automatic switchoff device with socket - 1 x button connection with 0.5 m cable | Aluminiu | n profile; power input: GST18 / power output: GST18 | |
| STEP ALU RCD, GST18 Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18 336.014 • Residual current device 16A, tripping current 30 mA, response time 30 ms, 2-pole STEP ALU RCD, GST18 Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18 906.067 • Residual current device, 16 A, tripping current 10 mA, response time 30 ms, 2-pole 906.067 • Residual current device, 16 A, tripping current 10 mA, response time 30 ms, 2-pole • Power input: GST18 / power output: GST18/is socket; STEP ALU RCD / MCB, GST18 Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18 Socket; STEP ALU RCD / MCB, GST18 Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18 Socket; StEP ALU master & slave, GST18 _ combined RCD/MCB comprising: • Residual current device 16 A, tripping current 30 mA, response time 30 ms, 2-pole • Miniature circuit-breaker 16 A rated current, 400 V, 2-pole • Characteristic B; 6 kA Length: approx. 220 mm Murinium profile; power input: GST18 / power output: GST18 Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18 . 36.006 • Master & slave circuit with threshold value setting 10VW and higher . | 336.015 | · Miniature circuit-breaker 16A, 2-pole | |
| Aluminium profile; power input: GST18 / power output: GST18 336.014 · Residual current device 16A, tripping current 30 mA, response time 30 ms, 2-pole STEP ALU RCD, GST18 Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18 906.067 · Residual current device, 16 A, tripping current 10 mA, response time 30 ms, 2-pole · Power input: GST18/ power output: GST18/3 socket; STEP ALU RCD / MCB, GST18 Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18/3 socket; Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18 336.065 · Combined RCD/MCB comprising: · Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18 · Combined RCD/MCB comprising: · Residual current device 16A, tripping current 30 mA, response time 30 ms, 2-pole · Miniature circuit-breaker 16A rated current, 400 V, 2-pole · Characteristic B; 6kA STEP ALU master & slave, GST18 Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18 336.006 · Master & slave, GST18 / power output: GST18 336.006 · Master & slave circuit with threshold value setting 10W and higher · Effective power: 0.29 W / apparent power: 1.05 W STEP ALU automatic switchoff Length: approx. 263 mm < | | Characteristic B | |
| Aluminium profile; power input: GST18 / power output: GST18 336.014 · Residual current device 16A, tripping current 30 mA, response time 30 ms, 2-pole STEP ALU RCD, GST18 Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18 906.067 · Residual current device, 16 A, tripping current 10 mA, response time 30 ms, 2-pole · Power input: GST18/3 plug, power output: GST18/3 socket; STEP ALU RCD / MCB, GST18 Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18/3 socket; Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18 336.065 · Combined RCD/MCB comprising: · Residual current device 16A, tripping current 30 mA, response time 30 ms, 2-pole · Miniature circuit-breaker 16A rated current, 400 V, 2-pole · Characteristic B; 6kA STEP ALU master & slave, GST18 Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18 100 mm 336.006 · Master & slave, GST18 / power output: GST18 336.006 · Master & slave, circuit with threshold value setting 10W and higher · Effective power: 0.29 W / apparent power: 1.05 W STEP ALU automatic switchoff STEP ALU automatic switchoff device with socket · 1 x automatic switchoff device with socket · 1 x | | 1 | |
| 336.014 • Residual current device 16A, tripping current 30 mA, response time 30 ms, 2-pole STEP ALU RCD, GST18 Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18 906.067 • Residual current device, 16 A, tripping current 10 mA, response time 30 ms, 2-pole • Power input: GST18/3 plug, power output: GST18/3 socket; STEP ALU RCD / MCB, GST18 Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18/3 socket; Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18 336.065 • Combined RCD/MCB comprising: • Residual current device 16A, tripping current 30 mA, response time 30 ms, 2-pole • Miniature circuit-breaker 16A rated current, 400 V, 2-pole • Characteristic B; 6 kA STEP ALU master & slave, GST18 Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18 Sa6.006 • Master & slave, circuit with threshold value setting 10 W and higher • Effective power: 0.29 W / apparent power: 1.05 W STEP ALU automatic switchoff Length: approx. 263 mm Aluminium profile; power input: GST18 / power output: GST18 See page 48 906.005 • 1 x automatic switchoff device with socket • 1 x button connection with 0.5 m cable | STEP AL | U RCD, GST18 | Length: approx. 220 mm |
| STEP ALU RCD, GST18 Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18 906.067 906.067 • Residual current device, 16 A, tripping current 10 mA, response time 30 ms, 2-pole • Power input: GST18/3 plug, power output: GST18/3 socket; Length: approx. 220 mm STEP ALU RCD / MCB, GST18 Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18 Sac.065 336.065 • Combined RCD/MCB comprising: • Residual current device 16 A, tripping current 30 mA, response time 30 ms, 2-pole • Miniature circuit-breaker 16 A rated current, 400 V, 2-pole • Characteristic B; 6kA STEP ALU master & slave, GST18 336.006 • Master & slave circuit with threshold value setting 10W and higher • Effective power: 0.29 W / apparent power: 1.05 W STEP ALU automatic switchoff Length: approx. 263 mm Aluminium profile; power input: GST18 / power output: GST18 See page 48 906.005 • 1 x automatic switchoff device with socket • 1 x button connection with 0.5 m cable | Aluminiu | n profile; power input: GST18 / power output: GST18 | |
| Aluminium profile; power input: GST18 / power output: GST18 906.067 • Residual current device, 16 A, tripping current 10 mA, response time 30 ms, 2-pole • Power input: GST18i3 plug, power output: GST18i3 socket; STEP ALU RCD / MCB, GST18 Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18 336.065 • Combined RCD/MCB comprising: • Residual current device 16A, tripping current 30 mA, response time 30 ms, 2-pole • Miniature circuit-breaker 16A rated current, 400 V, 2-pole • Characteristic B; 6 kA STEP ALU master & slave, GST18 Step ALU master & slave, GST18 / power output: GST18 336.006 • Master & slave circuit with threshold value setting 10W and higher • Effective power: 0.29 W / apparent power: 1.05 W STEP ALU automatic switchoff Step ALU automatic switchoff Aluminium profile; power input: GST18 / power output: GST18 See page 48 906.005 • 1 x automatic switchoff device with socket • 1 x button connection with 0.5 m cable | 336.014 | · Residual current device 16A, tripping current 30mA, respon | se time 30ms, 2-pole |
| Aluminium profile; power input: GST18 / power output: GST18 906.067 • Residual current device, 16 A, tripping current 10 mA, response time 30 ms, 2-pole • Power input: GST18i3 plug, power output: GST18i3 socket; STEP ALU RCD / MCB, GST18 Aluminium profile; power input: GST18 / power output: GST18 336.065 • Combined RCD/MCB comprising: • Residual current device 16A, tripping current 30 mA, response time 30 ms, 2-pole • Miniature circuit-breaker 16A rated current, 400 V, 2-pole • Characteristic B; 6 kA STEP ALU master & slave, GST18 S36.006 • Master & slave, GST18 / power output: GST18 336.006 • Miniature circuit-breaker 16A rated current, 400 V, 2-pole • Characteristic B; 6 kA Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18 Sa6.006 • Master & slave, circuit with threshold value setting 10W and higher • Effective power: 0.29 W / apparent power: 1.05 W STEP ALU automatic switchoff Aluminium profile; power input: GST18 / power output: GST18 See page 48 906.005 • 1 x automatic switchoff device with socket • 1 x button connection with 0.5 m cable | | | |
| 906.067 • Residual current device, 16 A, tripping current 10 mA, response time 30 ms, 2-pole • Power input: GST18i3 plug, power output: GST18i3 socket; Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18 336.065 • Combined RCD/MCB comprising: • Residual current device 16A, tripping current 30 mA, response time 30 ms, 2-pole • Miniature circuit-breaker 16A rated current, 400 V, 2-pole • Characteristic B; 6kA STEP ALU master & slave, GST18 STEP ALU master & slave, GST18 / power output: GST18 336.006 • Master & slave circuit with threshold value setting 10W and higher • Effective power: 0.29 W / apparent power: 1.05 W STEP ALU automatic switchoff Aluminium profile; power input: GST18 / power output: GST18 336.006 • Master & slave circuit with threshold value setting 10W and higher • Effective power: 0.29 W / apparent power: 1.05 W STEP ALU automatic switchoff Aluminium profile; power input: GST18 / power output: GST18 See page 48 906.005 • 1 x automatic switchoff device with socket • 1 x button connection with 0.5 m cable | STEP AL | U RCD, GST18 | Length: approx. 220 mm |
| Power input: GST18i3 plug, power output: GST18i3 socket; STEP ALU RCD / MCB, GST18 Aluminium profile; power input: GST18 / power output: GST18 336.065 Combined RCD/MCB comprising: | Aluminiu | n profile; power input: GST18 / power output: GST18 | |
| STEP ALU RCD / MCB, GST18 Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18 336.065 • Combined RCD/MCB comprising: • Residual current device 16A, tripping current 30 mA, response time 30 ms, 2-pole • Miniature circuit-breaker 16A rated current, 400 V, 2-pole • Characteristic B; 6kA STEP ALU master & slave, GST18 Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18 336.006 • Master & slave, circuit with threshold value setting 10W and higher • Effective power: 0.29 W / apparent power: 1.05 W STEP ALU automatic switchoff Length: approx. 263 mm Aluminium profile; power input: GST18 / power output: GST18 See page 48 906.005 • 1 x automatic switchoff device with socket • 1 x button connection with 0.5 m cable | 906.067 | · Residual current device, 16 A, tripping current 10 mA, respo | onse time 30 ms, 2-pole |
| Aluminium profile; power input: GST18 / power output: GST18 336.065 • Combined RCD/MCB comprising: • Residual current device 16A, tripping current 30 mA, response time 30 ms, 2-pole • Miniature circuit-breaker 16A rated current, 400 V, 2-pole • Characteristic B; 6 kA STEP ALU master & slave, GST18 Aluminium profile; power input: GST18 / power output: GST18 336.006 • Master & slave, circuit with threshold value setting 10 W and higher • Effective power: 0.29 W / apparent power: 1.05 W STEP ALU automatic switchoff Length: approx. 263 mm Aluminium profile; power input: GST18 / power output: GST18 See page 48 906.005 • 1 x automatic switchoff device with socket • 1 x button connection with 0.5 m cable | | Power input: GST18i3 plug, power output: GST18i3 socket; | i |
| Aluminium profile; power input: GST18 / power output: GST18 336.065 • Combined RCD/MCB comprising: - Residual current device 16A, tripping current 30 mA, response time 30 ms, 2-pole - Miniature circuit-breaker 16A rated current, 400 V, 2-pole • Characteristic B; 6kA STEP ALU master & slave, GST18 Aluminium profile; power input: GST18 / power output: GST18 336.006 • Master & slave circuit with threshold value setting 10W and higher • Effective power: 0.29 W / apparent power: 1.05 W STEP ALU automatic switchoff Aluminium profile; power input: GST18 / power output: GST18 See page 48 906.005 • 1 x automatic switchoff device with socket • 1 x button connection with 0.5 m cable | | | |
| 336.065 • Combined RCD/MCB comprising: • Residual current device 16A, tripping current 30 mA, response time 30 ms, 2-pole • Miniature circuit-breaker 16A rated current, 400 V, 2-pole • Characteristic B; 6kA STEP ALU master & slave, GST18 Aluminium profile; power input: GST18 / power output: GST18 336.006 • Master & slave circuit with threshold value setting 10W and higher • Effective power: 0.29 W / apparent power: 1.05 W STEP ALU automatic switchoff Aluminium profile; power input: GST18 / power output: GST18 See page 48 906.005 • 1 x automatic switchoff device with socket • 1 x button connection with 0.5 m cable | STEP AL | U RCD / MCB, GST18 | Length: approx. 220 mm |
| - Residual current device 16A, tripping current 30 mA, response time 30 ms, 2-pole - Miniature circuit-breaker 16A rated current, 400 V, 2-pole - Characteristic B; 6kA STEP ALU master & slave, GST18 Aluminium profile; power input: GST18 / power output: GST18 336.006 - Master & slave circuit with threshold value setting 10W and higher - Effective power: 0.29 W / apparent power: 1.05 W STEP ALU automatic switchoff Aluminium profile; power input: GST18 / power output: GST18 906.005 - 1 x automatic switchoff device with socket - 1 x button connection with 0.5 m cable | Aluminiu | m profile; power input: GST18 / power output: GST18 | |
| Miniature circuit-breaker 16A rated current, 400 V, 2-pole Characteristic B; 6kA STEP ALU master & slave, GST18 / power output: GST18 Aluminium profile; power input: GST18 / power output: GST18 Master & slave circuit with threshold value setting 10W and higher Effective power: 0.29 W / apparent power: 1.05 W STEP ALU automatic switchoff Length: approx. 263 mm Aluminium profile; power input: GST18 / power output: GST18 See page 48 906.005 1 x automatic switchoff device with socket 1 x button connection with 0.5 m cable | 336.065 | Combined RCD/MCB comprising: | |
| Characteristic B; 6kA STEP ALU master & slave, GST18 Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18 Master & slave circuit with threshold value setting 10W and higher Effective power: 0.29 W / apparent power: 1.05 W STEP ALU automatic switchoff Length: approx. 263 mm Aluminium profile; power input: GST18 / power output: GST18 See page 48 906.005 1 x automatic switchoff device with socket 1 x button connection with 0.5 m cable | | - Residual current device 16A, tripping current 30mA, resp | onse time 30 ms, 2-pole |
| STEP ALU master & slave, GST18 Length: approx. 220 mm Aluminium profile; power input: GST18 / power output: GST18 336.006 • Master & slave circuit with threshold value setting 10W and higher • Effective power: 0.29 W / apparent power: 1.05 W STEP ALU automatic switchoff Length: approx. 263 mm Aluminium profile; power input: GST18 / power output: GST18 See page 48 906.005 • 1 x automatic switchoff device with socket • 1 x button connection with 0.5 m cable O | | - Miniature circuit-breaker 16A rated current, 400 V, 2-pole | |
| Aluminium profile; power input: GST18 / power output: GST18 336.006 · Master & slave circuit with threshold value setting 10W and higher · Effective power: 0.29 W / apparent power: 1.05 W STEP ALU automatic switchoff Length: approx. 263 mm Aluminium profile; power input: GST18 / power output: GST18 See page 48 906.005 · 1 x automatic switchoff device with socket · 1 x button connection with 0.5 m cable | | · Characteristic B; 6kA | |
| Aluminium profile; power input: GST18 / power output: GST18 336.006 · Master & slave circuit with threshold value setting 10W and higher · Effective power: 0.29 W / apparent power: 1.05 W STEP ALU automatic switchoff Length: approx. 263 mm Aluminium profile; power input: GST18 / power output: GST18 See page 48 906.005 · 1 x automatic switchoff device with socket · 1 x button connection with 0.5 m cable | | | |
| 336.006 • Master & slave circuit with threshold value setting 10W and higher • Effective power: 0.29 W / apparent power: 1.05 W STEP ALU automatic switchoff Length: approx. 263 mm Aluminium profile; power input: GST18 / power output: GST18 See page 48 906.005 • 1 x automatic switchoff device with socket • 1 x button connection with 0.5 m cable | | | Length: approx. 220 mm |
| Effective power: 0.29 W / apparent power: 1.05 W STEP ALU automatic switchoff Length: approx. 263 mm Aluminium profile; power input: GST18 / power output: GST18 906.005 1 x automatic switchoff device with socket 1 x button connection with 0.5 m cable | | | high au |
| STEP ALU automatic switchoff Length: approx. 263 mm Aluminium profile; power input: GST18 / power output: GST18 See page 48 906.005 · 1 x automatic switchoff device with socket · 1 x button connection with 0.5 m cable O | 336.006 | 5 | nigner |
| Aluminium profile; power input: GST18 / power output: GST18 See page 48 906.005 · 1 x automatic switchoff device with socket · 1 x button connection with 0.5 m cable O | | · Effective power: 0.29 W / apparent power: 1.05 W | |
| Aluminium profile; power input: GST18 / power output: GST18 See page 48 906.005 · 1 x automatic switchoff device with socket · 1 x button connection with 0.5 m cable · 1 x button connection with 0.5 m cable · 1 x button connection with 0.5 m cable · 1 x button connection with 0.5 m cable | STEP AL | U automatic switchoff | Length: approx. 263 mm |
| 906.005 - 1 x automatic switchoff device with socket - 1 x button connection with 0.5 m cable | Aluminiu | n profile; power input: GST18 / power output: GST18 | See page 48 |
| | _ | | |
| | | · 1 x button connection with 0.5 m cable | \wedge |
| | | | GREEN |
| | | and connector for linking to module 917.000 | |
| | | and connector for linking to module 917.000 | GILLIN |
| | | and connector for linking to module 917.000 | |
| | | and connector for linking to module 917.000 | |

STEP accessories

| Art. no. | Version | |
|-----------|---|----------------|
| | accessories | |
| 375.502 | · Contents: | |
| 0101002 | - 4 screws 2.9 x 30 mm | |
| | - 2 cover strips for the end caps as optical finish (to be placed | (nin) |
| | on the end caps where two power strips are linked together) | |
| | - 1 end cap for power output socket | |
| Stainless | steel mounting bracket | |
| 940.096 | · For insertion into the rear of a STEP profile | BOR TANK |
| | Ideal for use with power strips with data connections | A |
| | · 2 items | |
| | | |
| Stainless | steel mounting bracket with elongated hole | 8 |
| 940.024 | For insertion into the rear of a STEP profile | |
| | · With elongated hole (keyhole) for screwing into place, ideal for use | |
| | with power strips with data connections | |
| | · 1 item left, 1 item right | 5 |
| Stainless | steel mounting plate, flat | 0 |
| 940.097 | · For insertion into the rear of a STEP profile | |
| | · For screw fixing e.g. under a desk or table | and the second |
| | · 2 items, packaged in plastic bag | |
| | | |
| STEP cov | er plates | |
| 375.529 | · Fit over the end caps of STEP power strips | - |
| | Visual finish | |
| | · Black plastic | |
| | · 2 items, packaged in plastic bag | |
| | | • • |
| | | |
| | el mounting plate | |
| 940.108 | For insertion into rear of STEP profile | |
| | Tightening the nut on the threaded screw fixes | |
| | the power strip in place | |
| | · Contents: | 100 |
| | - 1 mounting plate incl. M5 screw, washer and nut | |
| STEP plas | tic mounting clip | |
| 918.025 | For mounting STEP BASE and STEP ALU power strips in suitable cut-outs in about step (this/space 2.0 mm) | • • |
| | in sheet steel (thickness 2.0 mm) | 1 1 |
| | Contents: 2 plastic mounting clips, 4 screws 2.9 x 30 mm | |
| | Drawings for the required cut-outs can be requested if required. | 1 |
| | | 33 |
| | | / / |

Earthed power supply cable to STEP unit, see Accessories section

- Pre-assembled power supply cables with integrated earth connection
- Earthing of the power strip is independent of the installation
- Ideal in combination with STEP power strips (see from page 60)

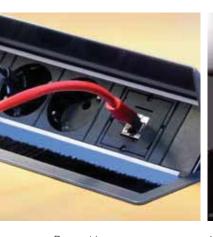


Bachmann custom modules are the central components of video, audio and network connections. Their construction offers you simple and flexible installation in facility systems, rack systems and electrical installations. The versatility of custom modules make Bachmann facility systems even more flexible. With the easy-to-swap modules you can create units to meet the individual data, video and audio connection requirements of your customers quickly and simply.

Now Bachmann also offers this flexibility for 10" and 19" panel installations. The standard custom modules facilitate optimal configuration for every media and network connection requirement. Again here socket/socket or screwterminal connections provide great simplicity of installation.

When it comes to electrical installations, Bachmann custom modules are again an outstanding addition. The small number of parts make the custom modules compatible with the current switch ranges of reputable manufacturers. Simple fitting and removal mean that all installations can be quickly adapted to changed requirements or brought up to the current state of the art.

| The advantages | vantages • Flexibly interchangeable modules | | | |
|----------------|---|--|--|--|
| at a glance | For data, video and audio connections | | | |
| | Can be used in facility systems, rack systems | | | |
| | and electrical installations | | | |
| | Integration with the switch ranges of leading | | | |
| | manufacturers | | | |
| | Easy to connect via socket/socket or screw- | | | |
| | terminal connections | | | |





Power strips

19" and 10" media racks

Electrical installations



CUSTOM MODULES As versatile as your applications



The empty built-in frame^① of Bachmann facility systems accommodates the custom modules^②, which are fixed in place with two Torx screws^③. The custom modules can be easily exchanged by loosening the screws.

Custom modules in facility systems





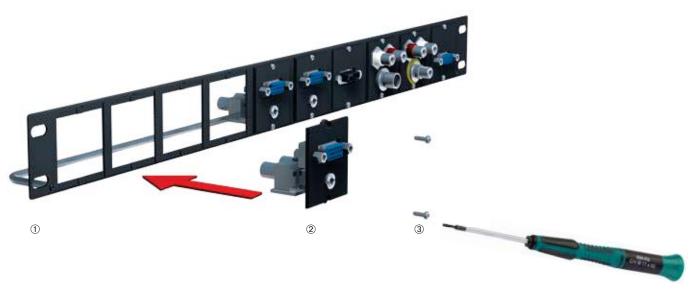
Individual configuration

Modern technology and strong ideas are at the heart of each and every Bachmann facility system. With expansion-compatible multiple-socket outlets and facility custom modules for individual configuration, these systems provide the ideal basis for setting up flexible connections. Practical units provide secure networking in the office, while elegantly designed, concealed supply systems offer trouble-free communications for conferences. In addition to standard, ready-made outlet units, Bachmann facility products include empty modules for individual configuration. Custom modules are supplied complete with screws.

The greatest flexibility - prepared for the future

Whenever you change the configuration you have the opportunity to upgrade your equipment to the latest state of the art. Built-in insulation protects you from contact with live parts when exchanging modules. There is no requirement to recheck the electrical connections of the unit after changing modules, and the warranty is not affected. You can find facility system products in the main Bachmann catalogue and in the separate Facility systems catalogue.

Compatible with Bachmann facility systems

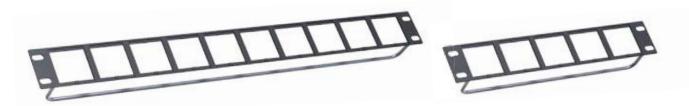


Our 19" and 10" racks^① accept custom modules^②, which are simply inserted and screwed in. System integration is made easy with the open design and socket/socket or screw-terminal custom modules.

Custom modules in rack installations

Full integration of media and network technologies

The 19" and 10" panels offer simple and flexible integration of media and network technologies into your rack system. The custom modules, easily screwed into place (Torx M2 screws³ included with the panels) enable you to respond to changes in system requirements at any time. Socket/socket and screw-terminal technology offers a compact and clearly arranged installation. The panels are particularly economical on space, requiring only one height unit (44.5 mm).



903.000 Bachmann 19" panel, 1 U, with strain-relief bar, accepts 10 custom modules (screws for mounting the modules included)

Compatible with Bachmann IT rack panel

903.001 Bachmann 10" panel, 1 U, with strain-relief bar, accepts 5 custom modules (screws for mounting the modules included)



Using a mounting plate^① and adapter frame^② (see page 74), custom modules^③ can be installed in a switch box.

Custom modules in electrical installations

Unlimited installation options

The addition of a few extra components opens up whole new possibilities for electrical installations. Installed in either a switch box or sill-type trunking, the extensive range of custom modules allows the easy integration of audio, video and data networks. By using the 50 x 50 mm and 55 x 55 mm adapter frames available as standard, the custom modules form an optimal complement to the current switch ranges of reputable manufacturers. The connections to the rear can be made either as socket/socket or via screw terminals. No complicated soldering or cabling is required. A compatibility list of custom modules to the switch ranges of various manufacturers can be found on page 72 onwards.



917.064 mounting plate (Suitable Torx M2 screws included)



Adapter frames, $50 \times 50 \text{ mm}$ and $55 \times 55 \text{ mm}$ in black and white



Example of mounting box for trunking You can obtain various mounting or device boxes from trunking manufacturers



The mounting box is inserted into the trunking. This forms the base onto which the mounting plate^① and adapter frame⁽²⁾ (50x50 mm or 55x55 mm) and the Bachmann custom module are bolted⁽³⁾.

Bachmann custom modules ⁽³⁾ can even be fitted into conventional floor boxes. The custom module bracket ⁽⁴⁾ for floor-box systems allows the module to be fitted directly. There is thus no need for a mounting plate ⁽¹⁾ or adapter frame ⁽²⁾. The Bachmann custom module bracket ⁽⁴⁾ is suitable for various makes of floor box. Please check the installation depth required by the custom modules.







4

| Manufacturer* | Switch range* | Bachmann Adapter frame** Colour black | Bachmann Adapter frame** Colour white | + Adapter manufacturer number |
|---------------|--------------------------------|---|---|--|
| Berker | S.1 | 917.066 | 917.169 | - |
| | B.1 | 917.066 | 917.169 | - |
| | B.3 | 917.066 | 917.169 | - |
| | B.7 Glass | 917.066 | 917.169 | - |
| | K.1 | 917.065 | 917.168 | 11087124 11087106 11087109 11087102 |
| | K.5 | 917.065 | 917.168 | 11.087.104 |
| | Arsys | 917.065 | 917.168 | 11080101 11089104 11089111 11080169 11080102 |
| | Module 2 | 917.065 | 917.168 | 114309 114302 |
| Busch-Jaeger | carat | 917.065 | 917.168 | 1746/10-81 1746/10-82 1746/10-84 |
| | pure stainless steel | 917.065 | 917.168 | 1746/10-866 |
| | pulse | 917.065 | 917.168 | 1746/10-71 1746/10-72 1746/10-74 1746/10-79 1746/10-777 1746/10-783 |
| | solo | 917.065 | 917.168 | 1746/10-82 1746/10-84 1746/10-85 1746/10-86 1746/10-87 1746/10-88 1746/10-803 1746/10-815 |
| | Busch-axcent | 917.065 | 917.168 | 1746/10-84 |
| | future | 917.065 | 917.168 | 1746/10-82 1746/10-84 1746/10-85 1746/10-89 |
| | Future linear | 917.065 | 917.168 | 1746/10-81 1746/10-82 1746/10-83 1746/10-84 1746/10-89 |
| EGB | Elegant Standard | 917.065 | 917.168 | 143.090.045 |
| ELSO | JOY | 917.065 | 917.168 | 363080 363084 |
| | RIVA | 917.065 | 917.168 | 203080 203084 2030831 2030811 2030819 |
| | RIVA | 917.066 | 917.169 | 203160 203164 2031611 2031619 |
| | SCALA | 917.065 | 917.168 | 203080 203084 2030811 2030819 |
| | SCALA | 917.066 | 917.169 | 203160 203164 2031611 2031619 |
| | FASHION | 917.065 | 917.168 | 203080 203084 203081 2030812 203082 2030831 203086 203089 2030844 |
| | FASHION | 917.066 | 917.169 | 203160 203164 203160D |
| | NOVIA | 917.066 | 917.169 | 284800 284804 |
| | NOVIA | 917.065 | 917.168 | 283160 283164 2831631 2831612 283166 283169 2.831.611 |
| | CLASSIC | 917.065 | 917.168 | 303110 303111 |
| Gira | Standard 55 | 917.066 | 917.169 | - |
| | E2 | 917.066 | 917.169 | - |
| | Event | 917.066 | 917.169 | - |
| | Esprit | 917.066 | 917.169 | - |
| | E22 | 917.066 | 917.169 | 0.289.202 |
| | Stainless steel series 20 / 21 | 917.066 | 917.169 | 028920 |
| | TX_44 | 917.066 | 917.169 | 028966 028967 028965 |
| | Large-area switch | 917.066 | 917.169 | 0289111 0289112 |
| | S-Color | 917.065 | 917.168 | 028240 028242 028243 028246 028247 |
| Jäger | Opus | 917.065 | 917.168 | 560.050.02 |
| Jung | AS 500 | 917.066 | 917.169 | - |
| | AS Universal | 917.066 | 917.169 | - |
| | A 500 | 917.066 | 917.169 | - |
| | A plus | 917.066 | 917.169 | - |
| | A creation | 917.066 | 917.169 | - |
| | LS-design | 917.066 | 917.169 | AL2961Z5-L ES2961Z5-L |
| | LS 990 | 917.066 | 917.169 | LS961Z5WW LS961Z5SW LS961Z5AL |
| | LS plus | 917.066 | 917.169 | AL2961Z5-L ES2961Z5-L |

* Name and product designation of manufacturer ** Also order the appropriate Bachmann adapter frame for fitting in the switch range.

| Manufac- turer* | Switch range* | Bachmann Adapter frame** Colour black | Bachmann Adapter frame** Colour white | + Adapter manufacturer number |
|--------------------|----------------------------|---|---|---|
| Jung | FD-design | 917.066 | 917.169 | AL2961Z5-L ES2961Z5-L |
| | CD 500 | 917.065 | 917.168 | 590ZCD 590ZWW |
| | LS 990 | 917.065 | 917.168 | LS961Z LS961ZWW LS961ZLG LS961ZSW |
| | LS 990 | 917.065 | 917.168 | LS961Z5 LS961Z5WW LS961Z5SW |
| | Aluminium | 917.065 | 917.168 | LS961Z LS961ZWW LS961ZLG LS961ZSW |
| | Aluminium | 917.066 | 917.169 | LS961Z5 LS961Z5WW LS961Z5SW AL2961Z5-L ES2961Z5-L |
| | Stainless steel | 917.065 | 917.168 | LS961Z LS961ZWW LS961ZLG LS961ZSW |
| | Stainless steel | 917.066 | 917.169 | LS961Z5 LS961Z5WW LS961Z5SW AL2961Z5-L ES2961Z5-L |
| | Anthracite | 917.065 | 917.168 | LS961Z LS961ZWW LS961ZLG LS961ZW |
| | Anthracite | 917.066 | 917.169 | LS961Z5 LS961Z5WW LS961Z5SW AL2961Z5-L ES2961Z5-L |
| | Bright chrome | 917.065 | 917.168 | LS961Z LS961ZWW LS961ZLG LS961ZSW |
| | Bright chrome | 917.066 | 917.169 | LS961Z5 LS961Z5WW LS961Z5SW AL2961Z5-L ES2961Z5-L |
| Merten | 1-M | 917.066 | 917.169 | - |
| | ATELIER-M | 917.066 | 917.169 | - |
| | M-SMART | 917.066 | 917.169 | - |
| | M-PLAN | 917.066 | 917.169 | - |
| | M-PLAN GLASS | 917.066 | 917.169 | - |
| | M-PLAN Metal | 917.066 | 917.169 | - |
| | M-PLAN II | 917.066 | 917.169 | - |
| | M-ARC | 917.066 | 917.169 | - |
| | M-STAR | 917.066 | 917.169 | - |
| | ARTEC | 917.065 | 917.168 | 516094 516099 |
| | AQUADESIGN | 917.065 | 917.168 | 518344 518319 518314 518360 |
| PEHA | Standard | 917.066 | 917.169 | 219511 219611 |
| | Standard | 917.065 | 917.168 | 219411 219211 219711 219311 218711 |
| | Dialog | 917.065 | 917.168 | 828611 819511 768611 847311 838011 778611 316611 |
| | Aura | 917.065 | 917.168 | 117211 129511 155811 |
| | Nova | 917.065 | 917.168 | 027211 042211 057211 |
| POPP | Nova FOREVER | 917.066 917.065 | 917.169 917.168 | 100511 100711 100611 729828 729811 |
| FOFF | PALLAS | 917.065 | 917.168 | 729842 729866 729859 |
| | ARCADA | 917.065 | 917.168 | 129042 129000 129039 |
| Presto-Vedder | Regina classic | 917.065 | 917.168 | - 730RW 730RUW |
| Tresto-vedder | Alessa | 917.065 | 917.168 | 230RUW |
| | Alessa plus | 917.065 | 917.168 | 230RUW |
| | | | | |
| Ciamana | Fiorena | 917.065 | 917.168 | 3030RUW 3030RW 3030RSI 3030RSGR |
| Siemens | | 917.065 | 917.168 | 5TG2557 5TG2587 5TG1160 5TG1150 |
| | DELTA vita | 917.065 | 917.168 | 5TG2557 5TG1160 5TG1150 |
| | DELTA miro | 917.065 | 917.168 | 5TG2557 5TG2587 5TG1160 5TG1150 |
| | DELTA style DELTA style | 917.065 917.066 | 917.168 917.169 | 5TG1326 5TG1326-1 5TG1366 5TG1327 5TG1327-1 5TG1367 |
| | DELTA profile | 917.065 | 917.169 | 5TG1806 5TG1866 5TG1766 5TG1836 5TG1706-1 5TG1746-1 |
| | DELTA profile | 917.066 | 917.169 | 5TG1705-1 5TG1745-1 5TG1893 5TG1885 5TG1762 5TG1835 5TG1705-1 5TG1745-1 |

* Name and product designation of manufacturer ** Also order the appropriate Bachmann adapter frame for fitting in the switch range.

Switch range



| Art. no. | Version | |
|----------|---|-----------------|
| Custom m | odule mounting plate for switch range | Stainless steel |
| 917.064 | Stainless steel mounting plate suitable for conventional devices, for flush-mounted, cavity and device boxes for trunking Incl. 2 Torx M2 screws For trunking an additional mounting box is required (see manufacturer's range) | |



| Adapter frame for switch range | | Plastic |
|--------------------------------|---|---------|
| 917.065 | · 50 x 50 mm | |
| | ·Black | |
| | · Fits into conventional switch ranges (50 x 50 mm internal dimensions) | |
| | in conjunction with the stainless steel mounting plate 917.064 | |
| | Please check the compatibility list from page 72 | |



| Adapter frame for switch range F | | Plastic |
|----------------------------------|---|---------|
| 917.168 | · 50 x 50 mm | |
| | · White RAL 9010 | |
| | Fits into conventional switch ranges (50 x 50 mm internal dimensions) in conjunction with the stainless steel mounting plate 917.064 Please check the compatibility list from page 72 | |

Plastic



Adapter frame for switch range 917.066

· 55 x 55 mm

· Black

 \cdot Fits into conventional switch ranges (55 x 55 mm internal dimensions) in conjunction with the stainless steel mounting plate 917.064

Please check the compatibility list from page 72

| | Adapter fra | ame for switch range | Plastic |
|---|-------------|---|---------|
| 9 | 917.169 | · 55 x 55 mm | |
| | | · White RAL 9010 | |
| | | \cdot Fits into conventional switch ranges (55 x 55 mm internal dimensions) | |
| | | in conjunction with the stainless steel mounting plate 917.064 | |
| | | Please check the compatibility list from page 72 | |

Floor boxes

Art. no. Version

| Floor box mounting 2 x Sheet steel | | |
|------------------------------------|---|--|
| 2 x custom | n modules | |
| 917.068 | · For fitting in OBO Bettermann device case/floor-box systems | |
| | Accepts 2 custom modules (transverse mounting) | |
| | Incl. Torx M2 screws | |
| | 1 | |

| Floor box | Floor box mounting 3 x | |
|------------|---|--|
| 3 x custom | n modules | |
| 917.067 | · For fitting in OBO Bettermann device case/floor-box systems | |
| | · Accepts 3 custom modules (transverse mounting) | |
| | · Incl. Torx M2 screws | |
| | | |

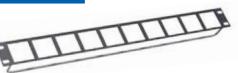
| Floor box mounting 2 x | | Black plastic |
|------------------------|--|---------------|
| 2 x custom | n modules | |
| 917.139 | Mounting for Electraplan floor boxes | |
| | Accepts 2 custom modules (transverse mounting) | _ |
| | Incl. Torx M2 screws for custom modules | |
| | | |

| Floor box | mounting 3 x | Black plastic |
|------------|--|---------------|
| 3 x custom | n modules | |
| 917.140 | Mounting for Electraplan floor boxes | |
| | · Accepts 3 custom modules (transverse mounting) | |
| | Incl. Torx M2 screws for custom modules | |
| | | |

Media racks/IT panels

| Art. no. | Version m module panel 1 U Black anodised aluminium | |
|-----------|--|--|
| 903.001 | Accepts up to 5 custom modules Incl. fixing accessories and Torx M2 screws | |
| 19" custo | m module panel 1 U Black anodised aluminium | |
| 903.000 | Accepts up to 10 custom modules | |

Accepts up to 10 custom modules
 Incl. fixing accessories and Torx M2 screws



Modules for keystone data connections · All modules are supplied with 2 Torx T6 screws.

| | Art. no. | Version |
|--|---|--|
| | Module 2 917.000 | x keystone Module, black, accepts 2 data sockets with keystone fitting |
| | | Suitable for the data sockets listed below |
| | 917.158 | · Module, white, accepts 2 data sockets with keystone fixing |
| 0 | | Suitable for the data sockets listed below |
| ° _ | | x keystone |
| | 917.001 | Module, black , accepts 1 data socket with keystone fitting |
| | | Suitable for the data sockets listed below |
| 0 | 917.159 | Module, white, accepts 1 data socket with keystone fixing Suitable for the data sockets listed below |
| ٩ | 2 x kevsto | one modules with metal holder |
| | 917.061 | Module, black, accepts 2 data sockets with keystone fitting |
| | | · Keystone fitting with metal holder on rear of cover for high mechanical stresses |
| | | Suitable for the data sockets listed below |
| | Module 1 | x keystone with metal holder |
| | 917.062 | Module, black, accepts 1 data socket with keystone fitting |
| | | · Keystone fitting with metal holder on rear of cover for high mechanical stresses |
| | | Suitable for the data sockets listed below |
| | | nections for custom modules 917.000, 917.001, 917.061 and 917.062 |
| | | |
| | Art. no. | Version |
| and the second s | | Version pling socket/socket |
| 100 | | - |
| | CAT6 cou | pling socket/socket |
| | CAT6 cou 940.044 | pling socket/socket · Type: BTR E-DAT · Front: RJ45 (keystone fixing), rear: RJ45 (E-DAT mounting) · Shielded |
| | CAT6 cou 940.044 | pling socket/socket · Type: BTR E-DAT · Front: RJ45 (keystone fixing), rear: RJ45 (E-DAT mounting) · Shielded pling / socket/socket |
| | CAT6 cou 940.044 | pling socket/socket · Type: BTR E-DAT · Front: RJ45 (keystone fixing), rear: RJ45 (E-DAT mounting) · Shielded |
| | CAT6 cou 940.044 | pling socket/socket • Type: BTR E-DAT • Front: RJ45 (keystone fixing), rear: RJ45 (E-DAT mounting) • Shielded pling / socket/socket • Front: RJ45 (keystone fixing), rear: RJ45 (keystone fixing) |
| | CAT6 cou 940.044 | pling socket/socket Type: BTR E-DAT Front: RJ45 (keystone fixing), rear: RJ45 (E-DAT mounting) Shielded pling / socket/socket Front: RJ45 (keystone fixing), rear: RJ45 (keystone fixing) Shielded |
| | CAT6 cou 940.044 CAT6 cou 940.083 | pling socket/socket Type: BTR E-DAT Front: RJ45 (keystone fixing), rear: RJ45 (E-DAT mounting) Shielded pling / socket/socket Front: RJ45 (keystone fixing), rear: RJ45 (keystone fixing) Shielded |
| | CAT6 cou 940.044 CAT6 cou 940.083 CAT6 cou 940.112 | pling socket/socket Type: BTR E-DAT Front: RJ45 (keystone fixing), rear: RJ45 (E-DAT mounting) Shielded pling / socket/socket Front: RJ45 (keystone fixing), rear: RJ45 (keystone fixing) Shielded pling socket/socket Front: RJ45 (keystone fixing), rear: RJ45 (keystone fixing) Shielded |
| | CAT6 cou 940.044 CAT6 cou 940.083 CAT6 cou 940.112 | pling socket/socket Type: BTR E-DAT Front: RJ45 (keystone fixing), rear: RJ45 (E-DAT mounting) Shielded pling / socket/socket Front: RJ45 (keystone fixing), rear: RJ45 (keystone fixing) Shielded pling socket/socket Front: RJ45 (keystone fixing), rear: RJ45 (keystone fixing) Shielded |



Keystone socket cover

Front: RJ 12 (keystone fixing), rear: RJ 12 (keystone fixing)
 Unshielded

| 917.057 | · Socket cover, clips into an empty keystone socket | |
|---------|--|--|
| | \cdot Can be used as a placeholder for sockets inserted subsequently | |
| | · Suitable for 917.000 / 917.001 / 917.061 / 917.062 | |

Data connections for custom modules 917.000, 917.001, 917.061 and 917.062

Socket/supply cable

| Art. no. | Version | |
|-----------|---|--------|
| CAT6a 10 | GB patch cable plug/socket 3.0 m | |
| 918.033 | · Front: Socket RJ45 CAT6a TKM 10 GB | |
| | · Cable, black, with RJ45 plug | |
| | · Shielded | |
| CAT6a 10 | GB patch cable plug/socket 5.0 m | |
| 918.034 | · Front: Socket RJ45 CAT6a TKM 10 GB | |
| | · Cable, black, with RJ45 plug | |
| | · Shielded | |
| CAT6a 10 | GB socket TKM | |
| 918.035 | · CAT6 connector socket TKM 10 GB | Aller. |
| | · Without cable (designed for tool-free connection of data cable) | |
| | ·Shielded | |
| | | |
| RJ 45 shu | | |
| 930.143 | Cover for keystone custom module | |
| | Does not require tools | |
| | Suitable for custom modules 917.000/917.001/917.051/917.052 | |
| | · With paper labelling strips | |
| | Universally suits 1 and 2 data connections | |
| | · Ideal as dust cover for data socket contacts when not in use | (8) |

Keystone media technology links

| Art. no. | Version | | |
|----------|--|-------|--|
| Custom n | nodule 1 x HDMI keystone | Black | |
| 918.040 | Front: HDMI socket | | |
| | · Rear: HDMI socket without cable | | |
| | Fits into keystone frame 917.000 or 917.001 | | |
| | · Requires approx. 85 mm installation depth | | |
| Custom n | nodule 1 x miniature jack 3.5 mm keystone | Black | |
| 917.157 | Front: 3.5 mm stereo miniature jack socket | | |
| | · Rear: Miniature jack socket with approx. 0.1 m cable | 8 | |
| | · Fits into keystone frame 917.000 or 917.001 | | |
| | · Requires approx. 65 mm installation depth | | |
| Custom r | nodule 1 x USB 3.0 A / A keystone | Black | |
| 917.120 | · Front: USB A socket | | |
| | · Rear: USB A socket | | |
| | · Fits into keystone frame 917.000 or 917.001 | | |
| | Requires approx. 85 mm installation depth | | |

■ FACILITY SYSTEMS ■ IT RACK PANELS ■ ELECTRICAL INSTALLATIONS

OWG connections



Modules for data connections

All modules are supplied with 2 Torx T6 screws.

| | | - |
|----------|---|---|
| Art. no. | Version | |
| Module 1 | x RDM CAT6 | |
| 917.005 | Module with cut-out and mounting plate (black) for 1 x Reichle de Masari (RDM) CAT6 (not included) | Ļ |
| Module 1 | x BKS | 0 |
| 917.153 | Module with cut-out for BKS (RJ, RJ250, RJUTP, RJpro and MMC3000pro) data connections in conjunction with mounting clip 403-7540xx (not included). | |
| | Also suitable for Kerpen ELine 1200 C7 socket in conjunction with ELine EC7 adapter clips LKD9ZE300210000), not included. | |
| Module N | exans 2 x | |
| 917.052 | · Module, black, with cut-out for 2 Nexans LAN-mark-6 CAT6 (clips in with keystone Nexans clip) | |
| | Data socket and keystone clip available separately | |
| Module N | exans 1 x | 2 |
| 917.051 | · Module, black, with cut-out for 1 Nexans LAN-mark-6 CAT6 (clips in with keystone Nexans clip) | · |
| | Data socket and keystone clip available separately | |
| Modulo 1 | x Panduit CAT6 | |
| 917.007 | Module with cut-out and mounting plate (black) for 1 x Panduit CAT6 (not included) | ļ |
| | | |
| Module 1 | x Corning CAT6 | 2 |
| 917.002 | Module with cut-out and mounting plate (black) for 1 x Tera CAT6 S250 (not included) Suitable for the following Corning modules: S500 module / CAXASM-00104-C001, S500 fx / CAXASM-00104-C002, S10 ten / CAXTSM-00112-C001, S10 ten fx / CAXTSM-00112-C004, S250 module / CAXESM-00100-C001, S250 fx / CAXESM-00100-C004, S100 eL / CAXGSM- 00100-C001, S100 e / CAXDSM-00100-C001 | Ļ |

| Module 2 x | CAT7 Tera |
|------------|---------------------------------|
| 917.039 | Module with |

917.039 · Module with cut-out and mounting plate (black) for 2 x Tera CAT7 (not included) • DAETWYLER unilan PS 1/8 CAT7, CORNING S1200 module S1200 shielded CAT7 +

| Module 1 x | CAT7 Tera |
|------------|-------------------------------|
| 917.008 | Module wi |
| | · DAETWYL |

odule with cut-out and mounting plate (black) for 1 x Tera CAT7 (not included) AETWYLER unilan PS 1/8 CAT7, CORNING S1200 module S1200 shielded CAT7 +





| Manufacturer | 917.000 | 917.001 | 917.061 | 917.062 | 917.038 | 917.006 | 917.003 | 917.002 | 917.051 | 917.052 | 917.053 | 917.008 | 917.038 | 917.007 | 917.005 |
|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Bachmann versions | | | | | | | | | | | | | | | |
| CAT6 coupling, shielded 940.044 | х | х | | | х | х | | | | | | | | | |
| CAT6 coupling, unshielded 940.112 | х | х | х | х | | | | | | | | | | | |
| CAT5e coupling 940.057 | х | х | х | х | | | | | | | | | | | |
| ISDN RJ12 socket unshielded | х | х | х | х | | | | | | | | | | | |
| CAT6a 10 GB socket TKM, shielded, for automatic telephone 918.035 | х | х | х | х | | | | | | | | | | | |
| CAT6a 10 GB socket TKM, shielded, with 3.0 m cable and RJ45 plug / 918.033 | х | х | х | х | | | | | | | | | | | |
| CAT6a 10 GB socket TKM, shielded, with 5.0 m cable and RJ45 plug / 918.034 | х | х | х | х | | | | | | | | | | | |
| Socket cover / blank cover keystone black / 917.057 | х | х | х | х | | | | | | | | | | | |
| RJ45 shutter / 930.143 | х | х | | | | | | | | | | | | | |
| OWG-LC duplex keystone / 918.071 | х | х | х | х | | | | | | | | | | | |
| OWG-SC keystone / 918.072 | х | х | х | х | | | | | | | | | | | |
| OWG-ST keystone / 918.073 | х | х | х | х | | | | | | | | | | | |
| OWG-MT-RJ keystone / 918.074 | х | х | х | х | | | | | | | | | | | |
| TOSLINK keystone / 918.045 | х | х | х | х | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| Tyco Electronics / AMP NETCONNECT* | | | | | | | | | | | | | | | |
| SL Series 110 Connect jacks CAT6 | Х | х | х | х | | | | | | | | | | | |
| SL Series 110 Connect jacks CAT5e | Х | х | х | х | | | | | | | | | | | |
| SL Series 110 Connect jacks CAT3 | Х | х | х | х | | | | | | | | | | | |
| SL Series toolless jacks CAT5e | х | х | х | х | | | | | | | | | | | |
| SL Series toolless jacks CAT3 | х | х | х | х | | | | | | | | | | | |
| Modular telephone coupler RJ45 / RJ11 coupler | х | х | х | х | | | | | | | | | | | |
| AMP-TWIST-6S SL jack CAT6 | х | х | х | х | | | | | | | | | | | |
| Standard 110 Connect jacks CAT5e | | х | | х | | | | | | | | | | | |
| Standard 110 Connect jacks CAT3 RJ45 / RJ11 | | х | | х | | | | | | | | | | | |
| AMP-TWIST 6AS SL RJ45 jack | х | х | х | х | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| ADC KRONE* | | | | | | | | | | | | | | | |
| KM8 RJ45 Modular keystone shielded | | х | | х | | | | | | | | | | | |
| KM8 RJ45 Modular keystone unshielded | | х | | х | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| BELDEN* | | | | | | | | | | | | | | | |
| Giga Flex keystone | х | х | х | х | | | | | | | | | | | |
| Giga Flex MDVO | х | х | х | х | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| BKS* (can be used with mounting clip 403-7540xx (not included) | | | | | | | | | | | | | | | |
| RJ, RJ250, RJUTP, RJpro and MMC3000pro | | | | | | | | | | | х | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

| Manufacturer | 917.000 | 917.001 | 917.061 | 917.062 | 917.038 | 917.006 | 917.003 | 917.002 | 917.051 | 917.052 | 917.053 | 917.008 | 917.038 | 917.007 | 917.005 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| BRAND-REX* | | | | | | | | | | | | | | | |
| 10GPLUS jack shielded | х | х | х | х | | | | | | | | | | | |
| Augmented category 6 shielded tool-free jack / AC6JAKS000 | х | х | х | х | | | | | | | | | | | |
| CAT5e GIGAPlus jack 110 IDC 568 | | х | | х | | | | | | | | | | | |
| CAT6 keystone plus | | х | | х | | | | | | | | | | | |
| CAT6 keystone snap in | х | х | х | х | | | | | | | | | | | |
| CAT6 Plus | | х | | х | | | | | | | | | | | |
| Cat6Plus shielded module / C6CJAKS000CR | х | х | х | х | | | | | | | | | | | |
| Category 6 shielded tool-free jack 7 C6CJAKS000 | х | х | х | х | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| BTR* | | | | | | | | | | | | | | | |
| C6A module 180° / 130B11-E | | | | | х | х | | | | | | | | | |
| E-DAT module CAT6a 8(8) | | | | | х | х | | | | | | | | | |
| E-DAT module coupling 8(8) CAT6 1309A0-I | х | х | х | х | х | х | | | | | | | | | |
| E-DAT module coupling 8(8) CAT6 1309A0-I | | | | | х | х | | | | | | | | | |
| UTP module CAT5e / 130A08-I / 130A08-I-B1 | х | х | х | х | | | | | | | | | | | |
| UAE module CAT5e unshielded 130908- | х | х | х | х | | | | | | | | | | | |
| UAE module CAT6 130909-I / 130909-I-B1 | | | | | х | х | | | | | | | | | |
| UTP module 8 (8) CAT6 / 130A10-I / 130A10-29-I / 130A10-29-I-B1 | х | х | х | х | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| CIMABOX* | | | | | | | | | | | | | | | |
| CAT5e and CAT6 keystone CJ545U / CJ545F | х | х | х | х | | | | | | | | | | | |
| Shielded and unshielded CJ645U / CJ645F | х | х | х | х | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| COBINET* | | | | | | | | | | | | | | | |
| TopConnect RJ45 patch cable coupling | | | х | х | | | | | | | | | | | |
| RJ45 module TopKey | | | х | х | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| CORNING* | | | | | | | | | | | | | | | |
| S10 TEN / CAXTSM-00112-C001 | | | | | | | | х | | | | | | | |
| S10 TEN fx / CAXTSM-00112-C004 | | | | | | | | х | | | | | | | |
| S100 e / CAXDSM-00100-C001 | | | | | | | | х | | | | | | | |
| S100 eL / CAXGSM-00100-C001 | | | | | | | | х | | | | | | | |
| S1200 module S1200 shielded CAT7 / CAXFSM-00100-C001 | | | | | | | | | | | | х | х | | |
| S250 fx / CAXESM-00100-C004 | | | | | | | | х | | | | | | | |
| S250 module / CAXESM-00100-C001 | | | | | | | | х | | | | | | | |
| S500 fx / CAXASM-00104-C002 | | | | | | | | х | | | | | | | |
| S500fx module / CAXBSM-00104-C002 | х | х | х | х | | | | | | | | | | | |
| S500 module / CAXBSM-00104-C001 | х | х | х | х | | | | | | | | | | | |
| S500 module / CAXASM-00104-C001 | | | | | | | | х | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

| | 917.000 | 917.001 | 917.06 | 917.062 | 917.038 | 917.006 | 917.003 | 917.002 | 917.051 | 917.052 | 917.053 | 917.008 | 917.038 | 917.007 | 917.005 |
|--|---------|---------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| DAETWYLER* | | | | | | | | | | | | | | | |
| unilan RJ45 coupling CAT6 417 446 | х | х | х | х | | | | | | | | | | | |
| unilan module KS 1 / 8 CAT6 RJ45 418 050 | х | х | х | х | | | | | | | | | | | |
| unilan module KS 1 / 8 CAT5e RJ45 418 051 | х | х | х | х | | | | | | | | | | | |
| unilan module KST 1 / 8 toolless CAT6 RJ45 418 053 | x | х | х | х | | | | | | | | | | | |
| unilan module KU 1 / 8 CAT6 418 080 | х | х | х | х | | | | | | | | | | | |
| unilan module KU 1 / 8 CAT6 418 081 | x | х | х | х | | | | | | | | | | | |
| unilan module KU 1 / 8 CAT5e 418 082 | x | х | х | х | | | | | | | | | | | |
| unilan module KU 1 / 8 CAT5e 418 083 | x | х | х | х | | | | | | | | | | | |
| unilan [®] module PS-GG45 7A 1000 MHz 400 102 + 400 103**** | | х | | х | | | | | | | | | | | |
| unilan® module KS-T 6A 1/8 tool-less cat. 6A/EA, shielded 418 060 | x | х | х | х | | | | | | | | | | | |
| unilan® module KS-TS 6 1/8 toolless Slimline cat.6/EA shielded 418 054 | х | х | х | х | | | | | | | | | | | |
| unilan® RJ45 keystone coupler CAT6 / 418 057 | x | х | х | х | | | | | | | | | | | |
| unilan® module KS-T5 1/8 tool-less cat. 5e, shielded / 418 055 | х | х | х | х | | | | | | | | | | | |
| unilan® RJ45 module MS-K 1/8 cat. 6a shielded - modular solution 440 001 | × | х | х | х | | | | | | | | | | | |
| unilan® module MS-K Plus 1/8 cat. 6A, shielded 440 004 | x | х | х | х | | | | | | | | | | | |
| unilan MS 1 / 8 CAT6 RJ45 | | | | | х | х | | | | | | | | | |
| unilan RJ45 feedthrough coupling CAT6 | | | | | х | х | | | | | | | | | |
| unilan MU 1 / 8 CAT6 RJ45 | | | | | х | х | | | | | | | | | |
| unilan PS 1 / 8 CAT7 | | | | | | | | | | | | х | х | | |
| | x | х | х | х | | | | | | | | | | | |
| EFB ECOLAN* | | | | | | | | | | | | | | | |
| E-20050 | х | х | х | х | | | | | | | | | | | |
| E-20051 | х | х | х | х | | | | | | | | | | | |
| E-20060 | x | х | х | х | | | | | | | | | | | |
| E-20061 | x | х | х | х | | | | | | | | | | | |
| 37.486.1 | х | х | х | х | | | | | | | | | | | |
| 37.488.1 | x | х | х | х | | | | | | | | | | | |
| 37.508.2 | × | х | х | х | | | | | | | | | | | |
| | | х | | х | | | | | | | | | | | |
| ERSYS* | | | | | | | | | | | | | | | |
| CAT5C-SIJ-FKey-002 | | х | | х | | | | | | | | | | | |
| Ersys 356k-8c5e | | х | | х | | | | | | | | | | | |
| Ersys 628MC-8-C5E | | х | | х | | | | | | | | | | | |
| | х | х | х | х | | | | | | | | | | | |
| GIGAMEDIA* | | | | | | | | | | | | | | | |
| RJ45 CAT6 UTP / STP | × | х | х | х | | | | | | | | | | | |
| RJ45 CAT6 contacts 110 UTP / STP | х | х | х | х | | | | | | | | | | | |
| RJ45 CAT5e UTP / STP | х | х | х | х | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| 3M* | | | | | | | | | | | | | | | |
| Volition RJ45 K6 module without shielding cover* | | Х | | Х | | | | | | | | | | | |

| Manufacturer | 917.000 | 917.001 | 917.061 | 917.062 | 917.038 | 917.006 | 917.003 | 917.002 | 917.051 | 917.052 | 917.053 | 917.008 | 917.038 | 917.007 | 917.005 |
|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| KERPEN* | | | | | | | | | | | | | | | |
| ELine 250 MLS RJ45 shielded | x | х | х | х | | | | | | | | | | | |
| ELine 250 MLU RJ45 unshielded | x | х | х | х | | | | | | | | | | | |
| ELine 600 [®] GG45 socket / 9ZE20001 | x | х | х | х | | | | | | | | | | | |
| Variokeystone socket module RJ45 | | | | | х | х | | | | | | | | | |
| | x | х | х | х | | | | | | | | | | | |
| NEXANS* (requires additional keystone clip to fit) | | | | | | | | | | | | | | | |
| LANmark-5 snap-in EVO | | | | | | | | | х | х | | | | | |
| LANmark-6 EVO RJ45 snap-in | | | | | | | | | х | х | | | | | |
| LANmark-6 10G snap-In | | | | | | | | | х | х | | | | | |
| LANmark-7 GG45 snap-in | | | | | | | | | х | х | | | | | |
| | | | | | х | х | | | | | | | | | |
| Panduit* | | | | | | | | | | | | | | | |
| Mini-Com [®] Mini-Jack™ category 3 UTP jack modules | | | | | | | | | | | | | | х | |
| Mini-Com® TX5e™ keyed shielded jack modules | | | | | | | | | | | | | | х | |
| Mini-Com® category 6 UTP coupler module | | | | | | | | | | | | | | х | |
| | | | | | | | | | | | | | | | |
| Reichle de Masari* | | | | | | | | | | | | | | | |
| RDM CAT6 | | | | | | | | | | | | | | | х |
| | | | | | | | | | | | | | | | |
| RUTENBECK* | | | | | | | | | | | | | | | |
| UM-real. cat. 6a A | x | х | х | х | | | | | | | | | | | |
| | × | х | х | х | | | | | | | | | | | |
| SETEC* | | | | | | | | | | | | | | | |
| CAT6 modular keystone jack shielded | × | х | Х | х | | | | | | | | | | | |
| SeSix eXtra keystone jack XKJ | × | х | х | х | | | | | | | | | | | |
| SeSix universal keystone jack UKJ | × | х | Х | х | | | | | | | | | | | |
| SeSix modular keystone jack MKJ | × | х | х | х | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| SYSTIMAX* | | | | | | | | | | | | | | | |
| MGS500 CAT6 series | | | | | | | Х | | | | | | | | |
| MGS400 series | | | | | | | х | | | | | | | | |
| | | | | | | | | х | | | | | | | |
| TELEGÄRTNER* | | | | | | | | | | | | | | | |
| AMJ module K CAT6+ | × | х | | | | | | | | | | | | | |
| AMJ coupling K CAT6 | × | Х | | | | | | | | | | | | | |
| AMJ coupling K CAT5e | × | х | | | | | | | | | | | | | |
| | X | х | х | х | | | | | | | | | | | |
| TKM* | | | | | | | | | | | | | | | |
| RJ-MOD - cat. 6 / 4677682 | × | х | Х | х | | | | | | | | | | | |
| GG45 / 4677701 (can be fitted with keystone clip) | × | х | х | х | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

| | Video a | and audio modules See the glossary for detailed information on use/applica | ation |
|----------|--------------|---|-------|
| Front | Rear Art. no | Version | |
| | | | ack |
| - | 917.04 | | |
| · · · | <i>•</i> | · Rear: VGA socket and miniature jack with approx. 0.1 m cable · Requires approx. 70 mm installation depth | |
| | Custor | n module 1 x VGA + miniature jack Bla | ack |
| 0 | 917.07 | | |
| olo | | · Rear: 10-pole screw terminal (VGA) and 3-pole (stereo) | |
| | | · Requires approx. 50 mm installation depth | |
| 0 | Custor | n module 1 x VGA + miniature jack Wł | hite |
| ٢ | 917.16 | | |
| dimine a | | · Rear: 10-pole screw terminal (VGA) and 3-pole (stereo) · Requires approx. 50 mm installation depth | |
| 0 | | | |
| | | | ack |
| 0 | 917.07 | | |
| | | Rear: 5 x BNC socket with approx. 0.3 m cable (VGA) and 3-pole (stereo) Requires approx. 50 mm installation depth | |
| - | Custor | n module 1 x VGA + miniature jack Bla | ack |
| 0 | 917.15 | | aon |
| 0/00 | 6 | · Rear: VGA + miniature jack socket with approx. 0.2 m cable each | |
| | | · Requires approx. 50 mm installation depth | |
| • | Custor | n module 1 x VGA + miniature jack and button for MediaNet switch Bla | ack |
| | 917.13 | | |
| | ? | · Rear: VGA socket and miniature jack with approx. 0.1 m cable + RJ12 socket for button · Requires approx. 70 mm installation depth | |
| | | | |

All modules are supplied with 2 Torx T6 screws. For suitable cables see the Accessories section

■ FACILITY SYSTEMS ■ IT RACK PANELS ■ ELECTRICAL INSTALLATIONS

| Art. no. | Version | Front | Re |
|--------------------------------|---|----------|-------|
| | odule 1 x VGA + miniature jack and button for MediaNet switch Black | Ó O | 5- |
| 917.074 | Front: VGA socket and miniature jack + button, blue illuminated | | 2 |
| | · Rear: 10-pole screw terminal (VGA) and 3-pole (stereo) + micro clamp terminal (button) | o | 2002 |
| | Requires approx. 50 mm installation depth | | - |
| | | | |
| Custom m | nodule 1 x VGA + miniature jack and button for MediaNet switch Black | | - |
| 917.077 | · Front: VGA socket and miniature jack + button, blue illuminated | | |
| | · Rear: 5 x BNC socket with approx. 0.3 m cable (VGA) and 3-pole (stereo) + micro clamp terminal (button) | 0 | 10 |
| | Requires approx. 50 mm installation depth | ol i i i | A COL |
| | | | 1 |
| | | | AA |
| | | | 15/ |
| | | | 00 |
| | | | |
| Custom <u>m</u> | nodule 1 x VGA Black | 2 | 20 |
| 917.011 | · Front: VGA socket | | |
| | · Rear: VGA socket | 0 0 | |
| | | | |
| | Requires approx. 70 mm installation depth | | |
| Custom m | Requires approx. 70 mm installation depth module 1 x VGA Black Black | • | |
| Custom m 917.069 | | | |
| | iodule 1 x VGA Black | | |
| | iodule 1 x VGA Black · Front: VGA socket | | |
| | odule 1 x VGA Black • Front: VGA socket • Rear: 10-pole screw terminal (VGA) | • | |
| | odule 1 x VGA Black • Front: VGA socket • Rear: 10-pole screw terminal (VGA) | | |
| 917.069 | odule 1 x VGA Black • Front: VGA socket • Rear: 10-pole screw terminal (VGA) | • | |
| 917.069 | odule 1 x VGA Black • Front: VGA socket . • Rear: 10-pole screw terminal (VGA) . • Requires approx. 50 mm installation depth | | |
| 017.069 | odule 1 x VGA Black • Front: VGA socket • Rear: 10-pole screw terminal (VGA) • Requires approx. 50 mm installation depth odule 1 x VGA Black • Front: VGA socket • Black • Front: VGA socket • Rear: 5 x BNC socket with approx. 0.3 m cable (VGA) | | |
| 017.069 | Iodule 1 x VGA Black • Front: VGA socket • Rear: 10-pole screw terminal (VGA) • Requires approx. 50 mm installation depth | | |
| 917.069 | odule 1 x VGA Black • Front: VGA socket • Rear: 10-pole screw terminal (VGA) • Requires approx. 50 mm installation depth odule 1 x VGA Black • Front: VGA socket • Black • Front: VGA socket • Rear: 5 x BNC socket with approx. 0.3 m cable (VGA) | | |
| 917.069 | odule 1 x VGA Black • Front: VGA socket • Rear: 10-pole screw terminal (VGA) • Requires approx. 50 mm installation depth odule 1 x VGA Black • Front: VGA socket • Black • Front: VGA socket • Rear: 5 x BNC socket with approx. 0.3 m cable (VGA) | | |
| 917.069 | odule 1 x VGA Black • Front: VGA socket • Rear: 10-pole screw terminal (VGA) • Requires approx. 50 mm installation depth odule 1 x VGA Black • Front: VGA socket • Black • Front: VGA socket • Rear: 5 x BNC socket with approx. 0.3 m cable (VGA) | | |
| 917.069 | odule 1 x VGA Black • Front: VGA socket • Rear: 10-pole screw terminal (VGA) • Requires approx. 50 mm installation depth odule 1 x VGA Black • Front: VGA socket • Black • Front: VGA socket • Rear: 5 x BNC socket with approx. 0.3 m cable (VGA) | | |
| 017.069 | odule 1 x VGA Black • Front: VGA socket • Rear: 10-pole screw terminal (VGA) • Requires approx. 50 mm installation depth odule 1 x VGA Black • Front: VGA socket • Black • Front: VGA socket • Rear: 5 x BNC socket with approx. 0.3 m cable (VGA) | | |
| 217.069 Custom m 217.070 | Induities and the second se | | |
| 017.069 | odule 1 x VGA Black • Front: VGA socket • Rear: 10-pole screw terminal (VGA) • Requires approx. 50 mm installation depth Black • Front: VGA socket • Rear: 5 x BNC socket with approx. 0.3 m cable (VGA) • Requires approx. 35 mm installation depth Black | | |

| Video and | audio mod | lules |
|-----------|-----------|-------|
|-----------|-----------|-------|

See the glossary for detailed information on use/application

| Front | Rear | Art. no. | Version | |
|-------|-------------|---------------------|---|-------|
| | | Custom n 917.021 | Front: DVI-I + miniature jack Front: DVI-I socket and miniature jack Rear: DVI-I socket and miniature jack with approx. 0.1 m cable each Requires approx. 75 mm installation depth | Black |
| | | Custom n 917.078 | • Front: DVI-I socket • Rear: DVI-I socket with approx. 0.1 m cable • Requires approx. 75 mm installation depth | Black |
| | 3 | Custom n 918.040 | Front: HDMI keystone Front: HDMI socket Rear: HDMI socket without cable Fits into keystone frame 917.000 or 917.001 Requires approx. 85 mm installation depth | Black |
| • | | Custom n 917.143 | • Front: HDMI socket • Rear: screw terminal 2 x 9-pole (HDMI) • Requires approx. 40 mm installation depth | Black |
| • | BALANSIAN A | Custom n 917.183 | • Front: HDMI socket • Rear: screw terminal 2 x 9-pole (HDMI) • Requires approx. 40 mm installation depth | White |
| • | | Custom n 917.145 | Front: display port Front: display port socket Rear: display port socket, without cable Requires approx. 70 mm installation depth | Black |

Video and audio modules

See the glossary for detailed information on use/application

| Art. no. | Version | Front | Rear |
|----------|---|---------------------|--|
| Module 1 | x video + Cinch stereo BVM-1 B | lack | Contraction of the local division of the loc |
| 917.026 | · Front: Cinch video (yellow) + Cinch stereo (red + white) socket | | |
| | · Rear: Cinch socket without cable | | 000 |
| | | $\bigcirc \bigcirc$ | 2 |
| | | | |
| | | | |
| | | | |
| Custom m | odule 1 x Cinch video + stereo Bl | lack | |
| 917.085 | · Front: Cinch video (yellow) + Cinch stereo (red + white) socket | | 111 |
| | · Rear: 10-pole screw terminal (VGA) | | |
| | · Requires approx. 50 mm installation depth | | |
| | | | |
| | | | |
| | | | |
| Custom m | odule 1 x Cinch video + stereo W | hite | |
| 917.161 | · Front: Cinch video (yellow) + Cinch stereo (red + white) socket | O | |
| | · Rear: 10-pole screw terminal (VGA) | 20 | |
| | · Requires approx. 50 mm installation depth | | ALC: NO. |
| | | | ALL CONTRACTOR |
| | | | |
| | | | |
| Module 1 | x VBNC + Cinch stereo Bi | lack | a'a |
| 917.027 | · Front: BNC video (yellow) + Cinch stereo (red + white) socket | | |
| | · Rear: BNC + Cinch socket without cable | 00 | |
| | | | |
| | | | |
| | | | |
| Module 1 | x S-Video + Cinch stereo Bi | lack | a'a |
| 917.028 | Front: S-Video (S-VHS) + Cinch stereo (red + white) socket | | 6060 |
| | · Rear: S-Video + Cinch socket without cable | 00 | 6 |
| | | | 0.2 |
| | | | |
| | | | |
| | | | |
| | | lack | |
| 917.081 | Front: S-Video + Cinch stereo (red + white) socket | | 1227 |
| | · Rear: screw terminal 4-pole (S-Video) + 3-pole (stereo) | 00 | 1000 |
| | · Requires approx. 30 mm installation depth | \$. \$ | |
| | | | |
| | | | |
| | | - | |
| | | hite | |
| 917.162 | Front: S-Video + Cinch stereo (red + white) socket | | BREE |
| | · Rear: screw terminal 4-pole (S-Video) + 3-pole (stereo) | | - |
| | · Requires approx. 30 mm installation depth | | REP |
| | | 121 | |
| | | | |

| | Video and audio modules See the glossary for detailed information on use/application |
|------------|--|
| Front Real | r Art. no. Version |
| | Module 1 x S-Video + Cinch stereo Black 917.035 • Front: S-Video (S-VHS) + Cinch video (yellow) socket • Rear: S-Video + video socket without cable |
| | Custom module 1 x S-Video + Cinch video Black 917.083 • Front: S-Video + Cinch video (yellow) socket • Rear: screw terminal 4-pole (S-Video) + approx. 0.3 m cable with 2 x BNC (stereo) • Requires approx. 30 mm installation depth |
| | Custom module 1 x BNC R / G / B Black 917.088 • Front: BNC socket R / G / B (red / green / blue) • Rear: screw terminal 6-pole • Requires approx. 30 mm installation depth |
| | Custom module 1 x BNC R / G / B Black 917.090 • Front: BNC socket R / G / B (red / green / blue) • Rear: BNC socket R / G / B (red / green / blue) • Requires approx. 65 mm installation depth |
| | Custom module 1 x sat / TV / radio Black 917.030 • Front: F-plug connector (sat) and 2 x coax (TV + radio) • Rear: F-plug connector (sat) and 2 x coax (TV + radio) • Requires approx. 50 mm installation depth |
| 00 | Custom module 1 x TV / radio Black 917.117 • Front: 2 x coax (TV + radio) • Rear: 2 x coax (TV + radio) • Requires approx. 50 mm installation depth |
| | Custom module 1 x Cinch stereo Black 917.022 • Front: Cinch stereo socket (red + white) • Rear: Cinch stereo (red + white) socket without cable • Requires approx. 55 mm installation depth |

Video and audio modules

See the glossary for detailed information on use/application

| Art. no. | Version | | Front | Rear |
|---------------------|--|-------|-------|-------------------|
| Custom m | odule 1 x Cinch stereo | Black | • | |
| 917.089 | · Front: Cinch stereo socket (red + white) | | - | |
| | · Rear: 3-pole screw terminal (stereo) | | 000 | The second second |
| | · Requires approx. 35 mm installation depth | | | 111 |
| | | | | |
| Custom m | odule 1 x Cinch stereo | White | ۲ | 39 |
| 917.163 | · Front: Cinch stereo socket (red + white) | | 26 | - |
| | · Rear: 3-pole screw terminal (stereo) | | | |
| | · Requires approx. 35 mm installation depth | | o | THE OWNER |
| | | | • | |
| Custom m 917.023 | odule 1 x 3.5 mm miniature jack Front: 3.5 mm stereo miniature jack socket (red + white) | Black | | |
| 917.023 | Rear: Cinch stereo socket (red + white) | | | |
| | Requires approx. 65 mm installation depth | | 0 | |
| | | | | |
| Custom m | odule 1 x miniature jack 3.5 mm keystone | Black | | |
| 917.157 | · Front: 3.5 mm stereo miniature jack socket | | | |
| | · Rear: Miniature jack socket with approx. 0.1 m cable | | 0 | |
| | · Fits into keystone frame 917.000 or 917.001 | | | |
| | Requires approx. 65 mm installation depth | | | |
| Custom m | odule 1 x 3.5 mm miniature jack | Black | 0 | |
| 917.091 | · Front: 3.5 mm stereo miniature jack socket | | | |
| | · Rear: screw terminal 3-pole | | | |
| | Requires approx. 35 mm installation depth | | | |
| Custom m | odule 1 x 3.5 mm miniature jack | White | 0 | 2 |
| 917.164 | Front: 3.5 mm stereo miniature jack socket | | | ALT. |
| - | · Rear: screw terminal 3-pole | | | 1 |
| | · Requires approx. 35 mm installation depth | | | |
| | | | | |
| | odule 1 x 6.3 mm stereo jack | Black | - | 0 |
| 917.036 | · Front: stereo jack socket 6.3 mm | | | |
| | · Rear: cable approx. 0.1 m with jack socket 6.3 mm | | | 0 0 |
| | · Requires approx. 65 mm installation depth | | | |
| | | | | |
| | | | | |
| | | | | |

| | Audio me | odules | See the glossary for detailed information on use/application |
|------------|---------------|---------------------------|--|
| Front F | Rear Art. no. | Version | |
| | Custom | nodule 1 x XLR micropho | one 3-pole Black |
| 00 | 917.024 | · Front: XLR 3-pole micr | |
| | | | .1 m with XLR plug 3-pole |
| | | • Requires approx. 65 m | nm installation depth |
| | Custom | nodule 1 x XLR socket 3- | B-pole Black |
| | 917.096 | · Front: XLR 3-pole sock | ket |
| 1. 2 | | · Rear: screw terminal 3- | 3-pole |
| · . | | │ · Requires approx. 40 m | nm installation depth |
| 0 <u>1</u> | Custom | nodule 1 x XLR socket 3 | |
| \odot | 917.165 | Front: XLR 3-pole sock | |
| S av | | Rear: screw terminal 3- | |
| | | │ · Requires approx. 40 m | nm installation depth |
| | Custom | nodule 1 x XLR socket 4- | |
| | 917.099 | Front: XLR 4-pole sock | |
| | | Rear: screw terminal 4- | |
| | | │ · Requires approx. 40 m | nm installation depth |
| | Custom | nodule 1 x XLR socket 5- | j-pole Black |
| - CON 25 | 917.101 | Front: XLR 5-pole sock | ket |
| | | Rear: screw terminal 5- | • |
| | | │ · Requires approx. 40 m | nm installation depth |
| | Custom | nodule 1 x XLR plug 3-pc | ole Black |
| | 917.095 | · Front: XLR 3-pole plug |] |
| | | · Rear: screw terminal 3- | 3-pole |
| • | | · Requires approx. 40 m | nm installation depth |
| | Custom | nodule 1 x XLR plug 4-po | ole Black |
| | 917.098 | Front: XLR 4-pole plug | |
| | 011.000 | Rear: screw terminal 4- | - |
| | | • Requires approx. 40 m | |

Audio modules

See the glossary for detailed information on use/application

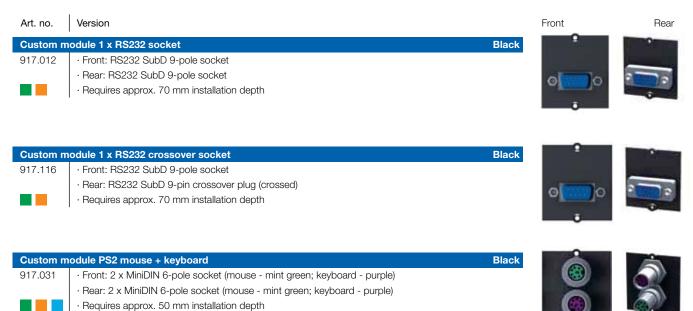
| Art. no. | Version | | Front | Rear |
|----------------------------|---|-------|-------|----------|
| Custom n | nodule 1 x XLR plug 5-pole | Black | 1 | |
| 917.100 | · Front: XLR 5-pole plug | | | |
| | Rear: screw terminal 5-pole | | | |
| | · Requires approx. 40 mm installation depth | | • . L | |
| | | | | |
| Custom n | nodule Combo series 1 x XLR socket 3-pole + 1 x 6.3 mm jack socket | Black | ŝ | |
| 917.094 | Front: XLR socket 3-pole + 6.3 mm stereo jack socket | | | |
| | · Rear: Screw terminal 2 x 3-pole | | | |
| | Requires approx. 40 mm installation depth | | 0 | |
| | | | - | |
| | | | | |
| Custom m | nodule 1 x Speakon 2-pole + 6.3 mm stereo jack | Black | 1 | |
| Custom m 917.102 | nodule 1 x Speakon 2-pole + 6.3 mm stereo jack · Front: Speakon socket + 6.3 mm stereo jack | Black | | . |
| | | Black | 0 | |
| | · Front: Speakon socket + 6.3 mm stereo jack | Black | Ô | T. |
| | Front: Speakon socket + 6.3 mm stereo jack Rear: screw terminal | Black | .0 | T. |
| 917.102 | Front: Speakon socket + 6.3 mm stereo jack Rear: screw terminal | Black | | |
| 917.102 | Front: Speakon socket + 6.3 mm stereo jack Rear: screw terminal Requires approx. 50 mm installation depth | | | |
| 917.102 | Front: Speakon socket + 6.3 mm stereo jack Rear: screw terminal Requires approx. 50 mm installation depth | | | |

| Custom m | nodule 1 x stereo loudspeaker connection | Black | |
|----------|--|--------|-------|
| 917.114 | · Front: stereo loudspeaker connection (red + white) | S. 5 4 | |
| | · Rear: screw terminal | | |
| | Requires approx. 30 mm installation depth | | |
| | | - | 00528 |

| | Data tran | smission See the glossary for detailed information on use/application |
|------------|-----------|--|
| Front Rear | Art. no. | Version |
| | Custom n | nodule 1 x USB 3.0 A / A keystone Black |
| | 917.120 | · Front: USB A socket |
| | | · Rear: USB A socket · Fits into keystone frame 917.000 or 917.001 (see page 72) |
| | | Requires approx. 85 mm installation depth |
| | Custom | nodule 2 x USB 2.0 A / A Black |
| | 917.141 | · Front: 2 x USB A socket |
| | | · Rear: Screw terminal 2 x 4-pole |
| | | · Requires approx. 40 mm installation depth |
| • • • • | Custom n | nodule 2 x USB 2.0 A / A White |
| | 917.182 | · Front: 2 x USB A socket |
| | | · Rear: Screw terminal 2 x 4-pole |
| 0 | | · Requires approx. 40 mm installation depth |
| | Custom n | nodule 1 x USB 2.0 A / B Black |
| | 917.018 | · Front: USB A socket |
| | •• | · Rear: USB B socket · Requires approx. 85 mm installation depth |
| | Custom | nodule 1 x USB 2.0 B / A Black |
| | 917.019 | nodule 1 x USB 2.0 B / A Black • Front: USB B socket |
| | | · Rear: USB A socket |
| ··· | •• | · Requires approx. 85 mm installation depth |
| | Custom n | nodule 1 x FireWire Black |
| | 917.037 | · Front: FireWire socket 6-pole |
| Ŷ | | · Rear: FireWire socket 6-pole · Requires approx. 85 mm installation depth |
| | Quetom | nodule RS232 socket Black |
| | 917.075 | Black • Front: RS232 SubD 9-pole socket |
| 0 | | Rear: screw terminal 9-pole |
| | | · Requires approx. 40 mm installation depth |
| 9 | | nodule RS232 plug Black |
| | 917.076 | · Front: RS232 SubD 9-pole plug |
| | | · Rear: screw terminal 9-pole · Requires approx. 40 mm installation depth |

Data transmission

See the glossary for detailed information on use/application



· Requires approx. 50 mm installation depth

Power transmission

| Art. no. | Version | | |
|----------|---|-------|-----|
| Custom n | nodule Power Con blue (power input) | Black | |
| 917.112 | · Front: Power Con socket, blue | | 9 1 |
| | · Rear: Screw terminal, incl. 2 crimp sleeves and cover cap | | |
| | · Requires approx. 40 mm installation depth | 0 | |
| | | 222 | |

| Custom m | odule Power Con grey (power outlet) Bla | ck | - |
|----------|---|----|---|
| 917.113 | · Front: Power Con socket, grey | | |
| | · Rear: Screw terminal, incl. 2 crimp sleeves and cover cap | | |
| | · Requires approx. 40 mm installation depth | | |
| | | | |







| | Control | See the glossary for detailed information on use/app | olication |
|--|---------------------|---|-----------|
| Front Rear | Art. no. | Version | |
| 9 2) | Custom n | nodule with stainless steel button | Black |
| | 917.046 | · Front: stainless steel button; switching capacity: 50 mA/24 V/DC; | |
| | | · Rear: screw terminal 2-pole | |
| | | Requires approx. 30 mm installation depth | |
| · · | | | |
| | Custom n | nodule with stainless steel button, blue illuminated | Black |
| | 917.047 | · Front: Stainless steel button, blue illuminated (ring illuminated); | |
| | | switching capacity: 50 mA/24 V/DC | |
| | | · Rear: Solder pins 4-pole | |
| | | · Requires approx. 30 mm installation depth | |
| | | | |
| · • | Custom n | nodule with automatic switchoff button | Black |
| (Constant) | 917.060 | · Front: button, black; | |
| | | · Rear: GST15i2 connector with approx. 1.0 m cable (suitable for power strips | |
| (Manager and Construction of C | | with automatic switchoff device, e.g. STEP switchoff device 906.005) | |
| | | · Requires approx. 40 mm installation depth | |
| | | | |
| | Custom n | nodule with button | Black |
| | 917.152 | Front: on/off switch | |
| | | · Rear: approx. 1.0 m 3G 1.0 mm ² cable with end sleeves (labelled) | |
| | | · Requires approx. 60 mm installation depth | |
| | Custom n 917.135 | nodule with switch (to control external devices) Front: 2-pole rocker switch, green Rear: approx. 1.0 m H05VV-F 4G 1.50 mm² cable with end sleeves (labelled) Requires approx. 60 mm installation depth | Black |
| | Custom n | nodule with 4-key keypad for MediaNet control unit | Black |
| Contract of | 917.127 | · Front: 4 buttons, white, blue illuminated | |
| and and a state of the | | · Rear: 2 x RJ45 sockets for connecting to media controller and linking to | |
| | | further modules of the same type | |
| Statement of the local division of the local | 1 | Requires approx. 30 mm installation depth | |
| | | Note: cannot be used in electrical installations. | |
| | | | |
| | Custom n | nodule with 4-key keypads for KNX application | Black |
| | 917.056 | Front: 4 buttons, white, blue illuminated, with various pictograms for labelling,programmable or KNX installations; with integrated bus coupler; voltage supply: system voltage 30 V DC via bus push-in terminal; | |
| | | · Rear: Bus push-in terminal, 2-pole | |
| | | · Requires approx. 35 mm installation depth | |
| | Custom n | nodule with 4-key keypads for EnOcean application | Black |
| | 917.093 | · Front: 4 buttons, white, blue illuminated, with various pictograms for labelling, programmable or | |
| | 0.1.000 | EnOcean application; with built-in radio module, battery buffered; | |
| | | Requires approx. 35 mm installation depth | |
| | | | |
| | | | |

| Accessor | See the glossary for detailed information on use/application | |
|-----------------------------|---|------------|
| Art. no. | Version | |
| Custom n 917.009 | odule blank cover Black · Blank cover as placeholder or for you to mount your own connector · Material: plastic, black, thickness 1.8 mm | |
| Custom n 917.166 | odule blank cover White • Blank cover as placeholder or for you to mount your own connector | 0 2 |
| | · Material: plastic, white, thickness 1.8 mm | 9 ig |
| Custom n | nodule blank cover with screw dome Black | ° |
| 917.010 | Blank cover as placeholder or for you to mount your own connector Screw dome on rear side of module for fixing e.g. of boards or blank holders Material: plastic, black, thickness 1.8 mm | 3. Mary 10 |
| Custom n | nodule blank cover with screw dome White | ° • • |
| 917.167 | Blank cover as placeholder or for you to mount your own connector Screw dome on rear side of module for fixing e.g. of boards or blank holders Material: plastic, white, thickness 1.8 mm | <u>, n</u> |
| Torx T6 se | crews for custom modules in facility power strips Black | |
| 917.041 | Designed for 10 screwing cycles; contents: 10 pcs in colour black | T |
| Screws To 917.111 | T6 for custom modules in electrical installations (mounting plate) and 10" + 19" panels Black Designed for 10 screwing cycles; contents: 10 pcs in colour black | |
| Torx T6 s 917.040 | • rewdriver Black • 1 x Torx T6 screwdriver to fit the screws on the custom modules | |
| | | |



Media technology

Bachmann media technology systems provide a flexible and elegant solution for custom media management in conference and training rooms. From simply switching between image and sound signals to a complete central control of all media, this solution can be tailored to the needs of every user.

With its modern components, including control elements from the global market leader AMX[®] plus all connecting systems, Bachmann media technology systems offer all that is required for any application. Thanks to its modular construction and intelligent cabling, the system can be quickly installed or adapted to specific requirements.

The flexibility of Bachmann complete solutions is complemented by their elegance. Regardless of how complex the Bachmann media technology system configuration is, it can be quickly and easily integrated into the Bachmann facility systems.

Media Express

Plug-and-play for simplicity and efficiency.

Bachmann's Media Express system for media technology lets you switch between different image and sound signals and is already integrated in the connection panels of the Bachmann facility product ranges. In addition to switching between image and sound signals, Media Express also extends the network connection to each user.

Media Switch

Flexible and reliable thanks to high-quality components.

The Media Switch (Amx[®] inside) allows simple routing of image and sound signals from multiple users to various output devices such as projectors or monitors. All these elements can be combined with existing Bachmann facility products.

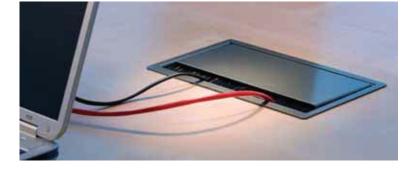
Media Control

Simple control of complex processes in media and facility applications.

The Media Control (Amx[®] inside) system uses control units to govern the various media from a central point. This makes it possible to activate various processes in a meeting or conference environment at the touch of a button on the Bachmann connection panel. The system is very user-friendly and easy for visitors to grasp quickly.

Media Express –

Plug-and-play for simplicity and efficiency.





Problem-free integration

Media Express is the solution for simple switching between image and sound signals. This system is already integrated in the connection panels of the Bachmann facility product ranges. In addition to switching between signals, it gives a network connection to each user.

With Media Express the individual connection panels are linked in a series known as a 'daisy chain'. This chain requires only one cable set with 3 connections. Connections are inserted into the connection panels on a plug-and-play basis. No programming of the units is necessary and the sequence of the connection units can be freely selected. The system is self-initialising and can be used immediately.

Flexible switching

The signal-switching function enables image and sound signals to be sent from the connection panel to a D/V projector or monitor screen. Authorisation to transmit the user's image and sound signal is activated by means of a dedicated button. An LED on the button indicates activation.

For image transmission the common 15-pole VGA sub-D system is provided on the front of the connection panel. This allows laptops to be connected easily using VGA connector cables. Of particularly practical benefit, no additional signal booster is necessary as this is integrated into the feeder box. This assures problem-free image transmission (so long as the maximum number of users and cable length are observed). The system can be built with a single infeed. Up to 6 connection panels can be linked via connector cables. No central switching box is required. Projectors or monitors can be connected directly to the feeder box.

Simplicity of linking

Connection to the network requires only one access point (via the feeder cable). Two RJ45 LAN ports with signal boosting on each connection panel allow laptops to be connected. Thus the network is linked from one user to the next via the connector cable. The built-in network switch is designed for 10/100 Mbit and is sufficient, depending on the specific installation, for up to 6 participants.

Feeder box

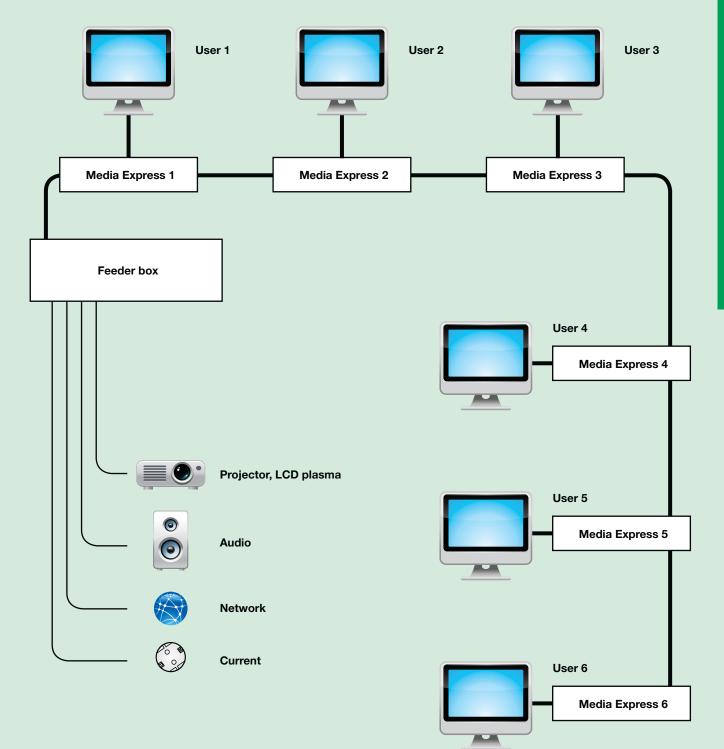
The system structure requires the use of a feeder box. This box provides the link between the connection panels and the output devices (projector, audio, network etc.).

The advantages at a glance

- Simple plug-and-play principle
- Electronics already integrated in the connection panel
- Available for most Bachmann facility systemsPre-cabled
- Extension of image, sound and network signals
- Simple, decentralised signal switching
- Compact and space-saving unit

Configuration information and lists of applications are available at **www.bachmann.com**.

Should you have any questions concerning your project, contact us at **media@bach-mann.com** for assistance.



Overview of Media Express connections



Media Express technical data:

Video/audio:

- Hardware detect/automatic detection
- Input signal: 0.7 Vss/75 ohm RGB, 5 V H&V-Sync, 1.8 Vss audio, 24 bit/96 kHz
 15-pin VGA sub-D plug
- Output signal: 0.7 Vss/75 ohm RGB, 5 V H&V-Sync, 3.5 Vss audio, 24 bit/96 kHz
 26-pin sub-D socket
- Video bandwidth: (+/-3 dB) 300 MHz
- Resolution max: 1600 x 1024
- Transmission distance: 20 x MediaNet Express modules/cable length: max. 50 m in total
- Audio: stereo L/R

Connections:

- 1 x 15-pole VGA sub-D
- 1 x 3.5 mm miniature jack stereo socket
- 2 x LAN RJ45 sockets
- Sockets as per connection unit selected

Network:

- 2 x RJ45 ports, 10/100 Mbit
- CAT5 with LED (speed and active LED)

Power supply unit:

- 2.5A; 18V
- Max. current consumption per connection unit: 500 m A

Media Express

The Media Express unit can also be integrated into other facility systems such as Power Frame, Desk and Step. Please ask us for the configuration you require.

- \cdot Anodised aluminium profile, black socket outlets, rotated 35°
- · Media Express
- · Power input: GST18i3
- · Power outlet: GST18i3

Version Art. no.

| Tx earthin | g contact, GST18i3, short (TOP FRAME, CONFERENCE) | Length: approx. 260 mm |
|-------------|--|--|
| 1 x Media | Express | |
| 903.2000 | 1 socket outlet with earthing contact 1 Media Express | and the second sec |
| 0 | | |
| 3 x earthir | g contact, GST18i3, long (TOP FRAME, CONFERENCE) | Length: approx. 444 mm CUSTOM |
| | eg contact, GST18i3, long (TOP FRAME, CONFERENCE) Express, 2 x custom modules | Length: approx. 444 mm CUSTOM |
| 1 x Media | | Length: approx. 444 mm CUSTOM |
| 1 x Media | Express, 2 x custom modules | Length: approx. 444 mm |
| | Express, 2 x custom modules · 3 socket outlets with earthing contact | Length: approx. 444 mm |

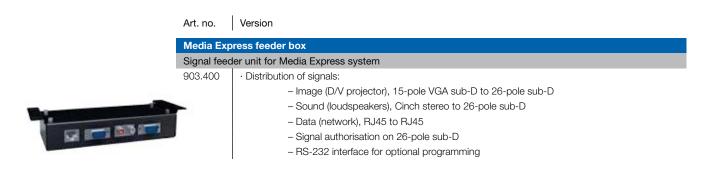
| 2 x earthin | ng contact, GST18i3 (CONI) | Length: approx. 356 mm CUSTOM |
|-------------|--|-------------------------------|
| 1 x Media | Express, 1 x custom module | |
| 903.3000 | · 2 socket outlets with earthing contact | |
| | · 1 Media Express | |
| | · 1 custom module, empty | |
| | | |
| | | |
| | | |
| 3 x earthin | ng contact, GST18i3 (CONI) | Length: approx. 356 mm |

3 x earthing contact, GST18i3 (CONI)

1 x Media Express 903.3001 · 3 socket outlets with earthing contact · 1 Media Express



Media Express feeder box



Media Express feeder cable

- · Feeder cable length 2.0 m
- \cdot The cable set is held together in a textile-fibre sleeve

| Art. no. | Version |
|----------|---------|
| Art. no. | version |



| | cable to feeder box | | |
|----|---|--|--|
| 00 | · 1 x 15-pole VGA plug/26-pole sub-D socket | | |

- \cdot 1 x CAT6 patch cable plug/plug, shielded
- \cdot 1 x power cable, right-angle earth contact plug and GST18i3 socket

Media Express connector cable

- · Connecting cable, length 2.0 m
- \cdot The cable set is held together in a textile-fibre sleeve

Art. no. Version



 Media Express connector cable

 To link one connection unit to another

 903.600
 • 1 x 26-pole sub-D (90° plug/45° socket)

 • 1 x CAT6 patch cable plug/plug, shielded
 • 1 x power cable, Wieland GST18i3 plug and GST18i3 socket



Typical order for 4 presentation stations



| Quantity Art. no. | Description | |
|-------------------|--|---------------|
| 4 x | For articles of your choice, see page 97 | Media Express |
| | (903.2000, 903.2001, 903.2000, 903.2001) | |

| Quantity | Art. no. | Description | |
|----------|----------|---|--------------|
| 1 x | 903.400 | Signal feeder unit for Media Express system | Feeder cable |
| 1 x | 903.500 | Feeder cable to feeder box | |

| Quantity | Art. no. | Description | |
|----------|----------|---|------------|
| 3 x | 903.600 | Connecting cable to link one connection | Connection |
| | | unit to another | |
| | | | |









Projector

Audio Network

Current

Configuration information and lists of applications are available at **www.bachmann.com**. Should you have any questions concerning your project, contact us at **media@bachmann.com** for assistance.

Media Switch -

flexible and reliable thanks to high-quality components.



Easy to install

Today's meeting rooms are equipped such that the signal to an output device (projector etc.) can be switched between various sources. Key requirements are also ease of installation, ease of use and flexibility.

An exemplary solution to all these requirements is the Media Switch system.

Ease of integration

The control elements can be fitted into existing Bachmann facility products on a plug-and-play basis. Like all Bachmann media technology systems, Media Switch is also simple to plan, easy to install and straightforward to use. Multiple users can dock their laptops simultaneously via the multiple connection panels.

The VGA sockets on the connection panels allow e.g. presentations to be sent to the projector. As soon as a user presses the button on his/her connection panel, the switch selects the image signal on that panel/laptop. The connection to the switch / changeover switch is set up via a pre-prepared set of cables. Pressing the button issues a command to the switch / changeover switch to route the incoming image and sound signals to the projector and loudspeakers.

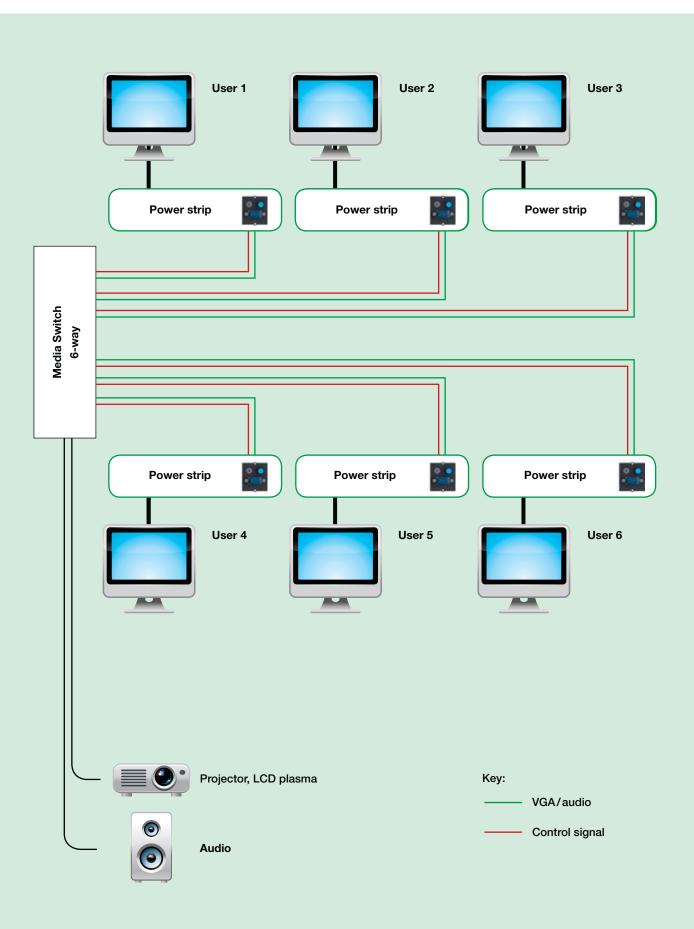


Signal booster

To ensure problem-free image signals, it is recommended that signal boosters are used with the Media Switch system. This enables image signals from devices with less powerful graphics cards to be transmitted with significantly better quality. The signal booster is fitted between each connection panel and the switch / changeover switch.

Switching is effected by pressing the button on a custom module with VGA and miniature jack on the connection panel. As soon as the button is pressed, the image and sound signals are routed to the switch /changeover switch. The button is illuminated blue until another user activates the button on his/her own connection panel to obtain signal authorisation.

| The advantages | Simple, low-cost signal switching | |
|----------------|--|--|
| at a glance | • Star configuration, ideal for small meeting rooms | |
| | Plug-and-play connections | |
| | Decentralised switching: each user can request | |
| | authorisation by pressing a button | |
| | Additional switches/changeover switches can be | |
| | cascaded one after the next to expand the system | |
| | for larger numbers of users | |
| | Connects to all Bachmann facility systems via built-in | |
| | VGA, miniature jack and switch button connections | |
| | (see art. no. 917.143) | |
| | Pre-prepared cabling for connection between | |
| | connection panel/signal booster and | |
| | switch/changeover switch | |
| | | |



Switcher/changeover switch

- Power supply: 9–12V DC 15W
- \cdot Includes power cable and operating instructions in German and English



For switch / changeover switch 903.100 there are two options for connecting to the custom module 917.134:

- 1. Without acknowledgement of signal authorisation, i.e. button is not illuminated when authorisation is granted. For this the set is used with **signal authorisation 903.113** (see page 118).
- 2. With acknowledgement of signal authorisation, i.e. button is illuminated blue when authorisation is granted. For this the set is used with **signal authorisation 903.112** (see page 118).

Art. no. Version

| Switch/changeover switch | | L x W x H: 145 x 115 x 40 mm | | |
|---|--|------------------------------|--|--|
| 2 x VGA/audio input, 1 x VGA/audio output | | | | |
| 903.100 | · RGB input / output: analogue HD-15 (VGA) | | | |
| | – Impedance 75 ohms/Max. signal level 1 V p-p | | | |
| | – RGB bandwidth: 400 MHz -3 dB | | | |
| | – RGB return loss: 45 dB@10 MHz, 27 dB@100 MHz | | | |
| | – Adjacent input crosstalk: 73 dB@10 MHz, 50 dB@100 N | ЛНz | | |
| | · Audio input / output: analogue 3.5 mm stereo / Max level 2 V p-p | | | |

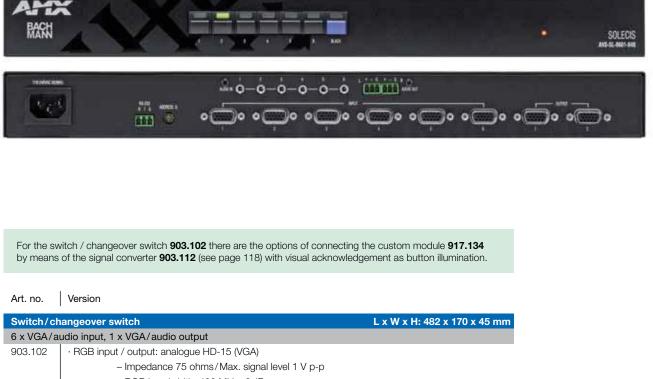


For the switch / changeover switch **903.101** there are the options of connecting the custom module **917.134** by means of the signal converter **903.112** (see page 118) with visual acknowledgement as button illumination.

Art. no. Version

| Switch/ch | angeover switch | L x W x H: 225 x 125 x 45 mm |
|------------|--|------------------------------|
| 4 x VGA/au | idio input, 1 x VGA/audio output | |
| 903.101 | · RGB input / output: analogue HD-15 (VGA) | |
| | – Impedance 75 ohms/Max. signal level 1 V p-p | |
| | – RGB bandwidth: 350 MHz -3 dB | |
| | – RGB return loss: 45 dB@10 MHz, 32 dB@100 MHz | |
| | \cdot Audio input / output: analogue 3.5 mm stereo/Max level 2 V p-p | |

Suitable mountings on page 118



- RGB bandwidth: 400 MHz -3 dB
- RGB return loss: 45 dB@10 MHz, 2 dB@100 MHz
- \cdot Audio input / output: analogue 3.5 mm stereo / Max level 2 V p-p
- Mounting for 19" fitting included

Signal booster

- Interference can sometimes occur, particularly with image transmission. This may be caused e.g. by lower-power graphics cards on the laptop or by long cable lengths
- \cdot To improve these image signals we recommend that each user uses a signal booster
- · This provides optimum boosting of the signals and prevents interference when used by different users
- \cdot Additional output (VGA 15HD) allows an additional monitor to be connected
- \cdot Compact, easily-installed unit



Art. no. Version

| Signal booster VGA | | L x W x H: 150 x 70 x 35 mm | |
|---|---|-----------------------------|--|
| 1 x VGA input, 2 x VGA output | | | |
| 903.104 · RGB input / output: analogue HD-15 (VGA), | | | |
| | – 1 x video IN/2 x video OUT | | |
| | – Impedance 75 ohms/Max. signal level 1 V p-p | | |
| | – Output gain 1.0 (unity) | | |
| | - RGB bandwidth: 400 MHz -3 dB | | |
| | – Power supply: 9 V DC 3 W | | |
| | · Includes power cable and operating instructions in German and Eng | glish | |

Typical order for 4 presentation stations



| Quantity A | Art. no. | Description | |
|------------|----------|--|-----------------------|
| 4 x | | Power strips from Bachmann facility systems with blank space for | Desk connection panel |
| | | custom module | Desk connection panel |
| 4 x 9 | 917.134 | Custom module VGA, miniature jack and button for Media switch | |

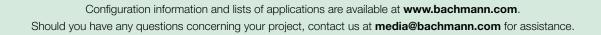
| Quantity | Art. no. | Description | |
|----------|----------|---|----------------|
| 4 x | 903.104 | VGA signal booster | |
| 4 x | 918.009 | VGA connecting cable from power strip to signal booster | Signal booster |
| | | optional: | |
| 4 x | 918.023 | Mounting | |

| Quantity | Art. no. | Description | |
|----------|----------|----------------------------|--------|
| 1 x | 903.101 | Switch, 4-way, VGA + audio | Switch |
| 1 x | 918.023 | Mounting | |

| Quantity | Art. no. | Description | |
|----------|-------------|--|---------|
| 4 x | 903.107-110 | VGA + sound + authorisation cable set/own choice of length | Cabling |
| 1 x | 903.112 | Signal converter, 2–6-way with acknowledgement | |



Projector



Media Control -

simple control of complex processes in media and facility applications.



Central control

To control a variety of media from a central point, control units are used. This makes it possible to activate various processes in a meeting or conference environment at the touch of a button on the Bachmann connection panel. The system is very user-friendly and easy even for visitors or new users to grasp quickly. The various procedures can be individually performed between the operator panel (in the connection panel) and the control unit.



Simple to programme

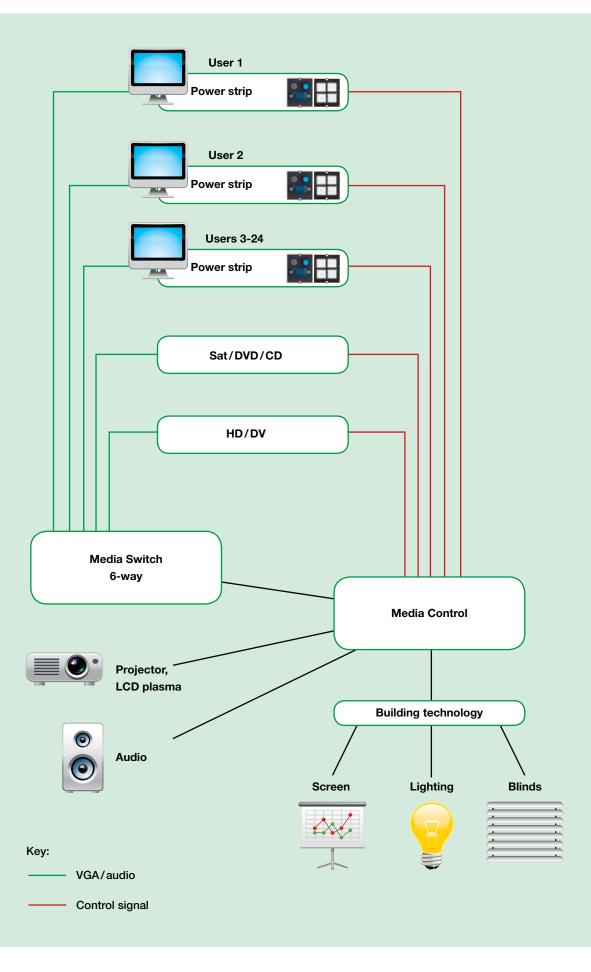
Programming is very simple and can soon be set up with the software provided and the instruction manual (German/English). Subsequent alterations or additions can also be entered without problems.

The control functions can be used to control various media: e.g. projector, DVD, SAT, TV, projector screen, lighting, blinds etc.

The 2 built-in 230 V~ 10 A relays can be used for example to connect a screen directly to the control unit. This means that a power cable is sufficient for control.

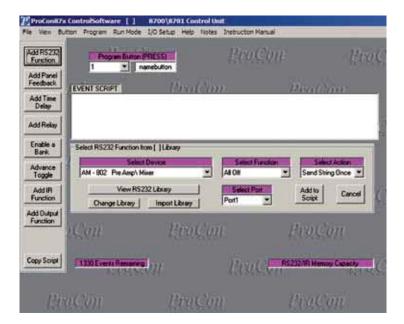
|--|





Media control

The software supplied makes even complex procedures simple to programme.



| Start programmed procedures by pressing button | | Pictograms for other button functions are provided |
|--|--|--|
| | | Cascadable up to 6 button arrays with 24 procedures |

Keypad on page 118



Media Control

- \cdot Memory = 8 Kb
- · 2 x 230V~ relays 10A built-in
- · 2 x RS-232 interface
 - Baud rate 1200–57 600
 - Data bits 7/8
 - Stop bits 1/2
 - Command string 1-22 bytes
- \cdot 2 x infrared interface PPM or PWM
 - PWM frequency 30–62 KHz
- · Power connection: 100-240V~
- PSU, programming cable, 2 x infrared transmitters, programming software and operating instructions in German and English included



Art. no. Version

| Control u | nit | L x W x H: 225 x 125 x 45 mm |
|-----------------------|--|------------------------------|
| Control sy | stem with programming function | |
| 903.105* | Control system with programming function I/O port: external switch detect input | |
| 878 00 | | ACCE |
| And the second second | Hand in the LIN Hand in the LIN HANA | |

| Control ur | nit TCP/IP L x W x H: 225 x 125 x 45 mm | | | | |
|---|--|--|--|--|--|
| Control sys | Control system with programming function and TCP/IP interface | | | | |
| 903.106* | Control system with programming function and TCP/IP interface | | | | |
| | · Devices from different manufacturers can communicate via the network | | | | |
| | · I/O port: Input: external switch detect | | | | |
| | | | | | |
| Programm | ning according to requirements | | | | |
| Available for control units 903.105 and 903.106 | | | | | |
| 903.114 | Programming is done by entering: | | | | |

| – conne | cted | devices | (man | ufacturer | , type) |
|---------|------|---------|------|-----------|---------|
| | | | | | |

- required procedures (max. 24 commands)
- \cdot The file is sent via e-mail

Switch function

Combined source switch for 4 to 2 VGA, 6 to 2 S-video or CVBS and 10 to 2 stereo audio signals. In all cases the output signal is present on the two outputs at the same time.

Ideal for applications with multiple different signal sources - RGBHV, S-video, CVBS and audio. The six video inputs can be connected to either an S-video or a CVBS signal. A combination of both signal types is possible.

The 10 audio inputs are designed for unbalanced stereo audio signals. One output offers an unbalanced and the other a balanced stereo signal for further processing. The audio input signal levels and the volume of the audio outputs are adjustable. Sound and video can both be silenced (mute/blank).

Control function

The functions are controlled manually via the front operator panel or remotely via RS-232 from a button module on a connection panel. When operating the unit via RS-232 it is possible to switch audio and video inputs separately. A programmable RS-232 output port is also provided; this can be used to control displays or projectors.



Art. no. Version

| Switch/cl | nangeover switch presentation | L x W x H: 150 x 70 x 35 mm |
|-------------|--|-----------------------------|
| 4 x input/2 | x output VGA, 10 x input/2 x output audio, 6 x input/2 x output S-vide | eo |
| 903.103 | · Inputs/signals: 4 x RGBHV, 6 x S-video/CVBS, 10 x stereo audio | |
| | · Outputs: 2 of each (dual) | |
| | | |
| | · Stereo audio: unbalanced to balanced | |
| | Front operator panel and operation via RS-232 | |
| | · RS-232 control output for connected playback equipment | |
| | • Power supply: 100 – 240 V AC 15 W | |
| | · Includes power cable and operating instructions in German and Engli | sh |
| | Mounting for 19" fitting included | |

Typical order for 4 presentation stations



| Quantity Art. no. Description | |
|---|-----------------------|
| 4 x Power strips from Bachmann facility systems with blank space | for |
| custom module | Desk connection panel |
| 4 x 917.134 Custom module VGA, miniature jack and button for Media swit | ch |
| 1-6 x 917.127 Custom module button | |

| Quantity | Art. no. | Description | |
|-----------|----------|---|----------------|
| 4 x | 903.104 | VGA signal booster | |
| 4 x | 918.009 | VGA connecting cable from power strip to signal booster | Signal booster |
| optional: | | | |
| 4 x | 918.023 | Mounting | |
| | | | |

| Quantity | Art. no. | Description | |
|----------|----------|----------------------------|--------|
| 1 x | 903.101 | Switch, 4-way, VGA + audio | Switch |
| 1 x | 918.023 | Mounting | |

| Quantity | Art. no. | Description | |
|----------|----------|------------------------|--------------|
| 1 x | 903.105 | Control unit | Control unit |
| 1 x | 903.111 | Converter control unit | |

| Q | uantity | Art. no. | Descript | ion | | | Cable output |
|----|---------|--------------|-------------------|----------------------|------------------|----------|--------------|
| 1- | -6 x | 918.006 - 00 | 8 Patch ca | able to connect cust | om module button | 917.127 | Cubic Cutput |
| | | | | | | | |
| | | | | | | | |
| | | (| 0 | | | | |
| | | | | | | | |
| | | | $\mathbf{\Theta}$ | | | | |
| | | ų, | | \rightarrow | Ş | <u> </u> | |
| F | Project | or / | Audio | Screen | Lighting | Blinds | |
| | | | | | | | |

Configuration information and lists of applications are available at **www.bachmann.com**. Should you have any questions concerning your project, contact us at **media@bach-mann.com** for assistance.

Facility control modules



Pushbutton modules in the Bachmann custom-module format offer convenient control of light and blinds in open-plan and individual offices and in meeting and conference rooms.

The control module is installed within the user's easy reach on the desk connection panel at office workstations or in meeting rooms. Then the lighting and blinds settings can be controlled with ease from the user's seat. The increased convenience lets the user respond to changing environmental situations - and thus save energy.

KNX pushbutton module 4-way



The 4-way KNX pushbutton module is designed as a custom module and can be integrated into Bachmann desk connection panels either by the manufacturer or retrospectively. Installation in rack and electrical installations is also possible with the custom module system.

Functions such as switching, dimming, storage of lighting scenes, blind control etc. can be programmed by specialist personnel using the standard ETS software. For this, specialist knowledge and in-depth KNX training is required.

Each button can be custom configured and labelled accordingly (common pictograms are supplied). A blue lamp indicates the activity status.

This pushbutton module can be simply installed by KNX-trained personnel. The appropriate bus coupling is built into the module and can be simply connected to the bus cable by means of clips.

KNX/EIB 4-button custom module

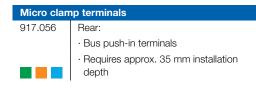


Front:

- 4 x buttons, square, can be labelled, blue backlit, programmable on EIB/KNX installations
- With integral bus coupler and bus terminal (can be labelled with physical address)
- Power supply: system voltage 30 V DC via bus terminal
- Use: e.g. as buttons for controlling lighting, blinds etc.



Art. no. Version



EnOcean pushbutton module 4-way

The EnOcean pushbutton module offers wireless control of e.g. lighting, blinds, projector screen etc. Installation is simple: the pushbutton module can be used in Bachmann desk connection panels with custom modules or in wall or trunking installations. The required control signals are transmitted wirelessly to the receiving device. Each button can be separately programmed. With 868 MHz EnOcean technology, interference is practically eliminated.

No cable installation is required for this module. Power is obtained from a built-in battery that will last for up to 1 million switching cycles.

If required the EnOcean pushbutton module can also be linked into the KNX building control system bus.

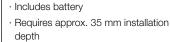
EnOcean 4-button custom module



Art. no. Version

Micro clamp terminals

917.093 Rear:



Front:

- · 4 x buttons, square, can be labelled, backlit blue
- \cdot Programmable on EnOcean applications
- \cdot Power supply: Battery-buffered radio module
- \cdot Includes inserter with common pictograms
- Use: e.g. as buttons for controlling lighting, blinds etc.



Custom modules

Version Art. no.

917.134 \cdot Custom module to fit in Bachmann connection panels

Custom module VGA, miniature jack and button for media switch

- · 1 x 15-pole VGA socket/socket
 - · 1 x 3.5 mm miniature jack socket with approx. 0.1 m cable and 3.5 mm miniature jack socket
 - · 1 x button, blue illuminated, with approx. 0.1 m cable and RJ12 for controlling switch
 - · Requires approx. 70 mm installation depth



| | Custom m | odule with 4 x buttons for media control unit |
|------|------------|--|
| | Can be use | ed in all facility systems |
| 2758 | 917.127 | · Custom module, can also be retrofitted |
| | | \cdot 4 buttons, white, blue illuminated, with various (|
| | | · On rear: 2 x RJ45 sockets for connecting to me |
| | | |

y systems odule, can also be retrofitted

- white, blue illuminated, with various pictograms for labelling
- x RJ45 sockets for connecting to media control unit and linking to further modules of the same type
- · Includes inserter with common pictograms
- · Requires approx. 80 mm installation depth



| Patch cab | Patch cable plug/plug | | | | |
|------------|-----------------------|--------------------------------|--|--|--|
| To connect | custom modu | le 917.127 to signal converter | | | |
| 918.006 | 1.0 m | End 1: RJ45 plug Hirose TM12 | | | |
| 918.007 | 3.0 m | · End 2: RJ45 plug Hirose TM12 | | | |
| 918.008 | 5.0 m | · Shielded | | | |

Signal converter Media

Version Art. no.



| 2-way signal converter | | | |
|--|--|--|--|
| To implement the authorisation signals of each participant. Without visual acknowledgement on button | | | |
| 903.113 | · Input: 2 x RJ12 socket | | |
| | · Output: 1 x 2-pole terminal for connection to switch | | |
| | · Can only be used with 903.100 switch | | |

For the switch / changeover switch 2 x, 4 x and 6 x VGA/audio, the custom module 917.134 is connected by means of the 2-6-way RS 232 signal converter (903.112) with visual acknowledgement as button illumination.



| 2–6-way s | -way signal converter L x W x H: 225 x 125 x 45 mm | |
|------------|---|-------------------------|
| To impleme | ent the authorisation signals of each participant. With visual ac | knowledgement on button |
| 903.112 | · Input: 6 x RJ12 socket | |
| | · Output: 1 x 9-pole RS-232 sub-D | |
| | · With 1.0 m cable with push-in terminals to connect 2-pole term | minal to switch |

· Includes PSU



| Converter | box |
|------------|--|
| For connec | ting an additional series of button modules |
| 903.111 | Media converter for connection to control unit |
| | · End 1: RS-232 |
| | · End 2: RJ45 · Includes PSU |
| | Includes PSU |
| | |

unit



| Mounting for converter/control | ι |
|--------------------------------|---|
| For fitting under the tableton | |

F

er the tabletop 918.023 · Mounting to install unit under a tabletop (see page 102)

Combi cables and extensions

| Art. no. | Length | Version | |
|------------|---------------|---|-----------------------|
| 15-pole V | GA HD exter | nsion cable | |
| 1 x VGA | | | |
| 918.009 | 1.0 m | High-quality VGA cable to connect: | |
| 940.047 | 3.0 m | – connection panel to laptop | 📕 🔿 🛃 👼 |
| 940.048 | 5.0 m | – connection panel to signal booster | |
| | | – signal booster to monitor/TV (optional) | |
| | | · End 1: 1 x 15-pole VGA HD plug | |
| | | · End 2: 1 x 15-pole VGA HD plug | |
| | | | |
| 1 x VGA, 1 | 1 x miniature | jack | |
| 918.066 | 1.0 m | High-quality VGA cable to connect: | |
| 918.067 | 3.0 m | – connection panel to laptop | |
| 918.068 | 5.0 m | – connection panel to signal booster | |
| 918.069 | 10.0 m | – signal booster to monitor/TV (optional) | |
| | | · End 1: 1 x 15-pole VGA HD plug, 1 x miniature jack plug, 3.5 mm | |
| | | · End 2: 1 x 15-pole VGA HD plug, 1 x miniature jack plug, 3.5 mm | and a state |
| | | Plug with metal housing and shielding | and the second second |
| | | | |
| | | | |

| Media con | nbi cable | |
|------------|---------------|--|
| 1 x VGA, 1 | x miniature j | ack, 1 x control signal |
| 903.107 | 1.0 m | · Professional high-quality VGA cable together with audio cable and |
| 903.108 | 3.0 m | control cable for switching switches via the pushbutton in |
| 903.109 | 5.0 m | custom module 917.134 |
| 903.110 | 10.0 m | End 1: 1 x 15-pole VGA HD plug, 1 x 3.5 mm miniature jack plug; 1 x RJ12 for button |
| | | End 2: 1 x 15-pole VGA HD plug, 1 x 3.5 mm miniature jack plug; 1 x RJ12 for button |
| | | Plug with metal housing and shielding |



Accessories

| Art. no. | Version | |
|------------|---|------------------------|
| STEP BAS | E 3 x earthing contact, GST18i3 | Length: approx. 220 mm |
| Power outl | et for switch and control unit | |
| 336.600 | Plastic profile, black socket outlets | |
| | · 3 socket outlets with earthing contact, set at 35° | |
| | · Power input: GST18i3 plug, power output: GST18i3 socket | |



LanLight[®] combines power, network connectivity, connections to media and even lighting in a modular, multifunctional system with a consistently modular construction that lets you adapt and use it flexibly in office environments. The system creates order in providing the various connections required at the workplace, and so increases safety. With its clear design language and high quality materials it fits harmoniously and unobtrusively into its surroundings.

The LanLight[®] basic module can accommodate a variety of module inserts. These include floor box inserts for all media - from earthing contact power outlets to HDMI sockets - that are also available fully pre-installed with tested connecting cables.

A special feature is the new type of self contacting used in the basic LanLight[®] module with mobile power column, in which all connections are created by a single plugging action.

LanLight[®] fits into a hole of only 152 mm diameter. This ease of installation, together with its compact size and the functionality provided by the modular design mean that installations and energy consumers can be fitted only in those positions where they are really needed. Thus LanLight[®] can be installed to meet the exact requirements and is equally easy to remove. Benefit: during restructuring, individual system components are reused time and again and the usual provision of installations is no longer necessary.

| The advantages at a glance | Delivers exactly what is needed to each workstation Provides power, data and media connections and lighting Modular and multifunctional - from cable connections from the floor box to mobile power columns (with or without light fittings) Attractive, harmonious visual design No tangle of cables under the desk Provides optimal lighting | |
|-------------------------------|---|--|
| | | |

Combined with consolidation points, LanLight[®] can reach virtually every part of the room to provide power, data, media and light. The optimum cable length is up to 9 metres.





LanLight®

Modular installation offering flexible supply to office workstations



LanLight® offers ...

- a cable outlet
- a floor box with various inserts for a wide range of applications
- plug-in mobile power columns with two power circuits and up to eight data connections with self-contacting interface (mobile column)
- plug-in power columns with two power circuits and up to eight data connections with prepared patch cables
- a plug-in lighting module, one-sided, with lighting head that swivels on two axes
- a plug-in lighting module, double-sided, with swivelling lighting head

Basic unit 924.1016 Modular socket



Floor outlet No insert required

Floor box versions



Connection plate 924.4000 4 x power Wieland GST15i3 8 x keystone mount



Earth contact connection plate 924.4002 2 x earth contact

4 x keystone mount

Media 3 x pov 3 x cus

Media connection plate 924.4003 3 x power Wieland GST15i3 3 x custom media module mount

Basis for patch versions



Patch column mount 924.1041 Cone for patch column

Basis for self-contact system



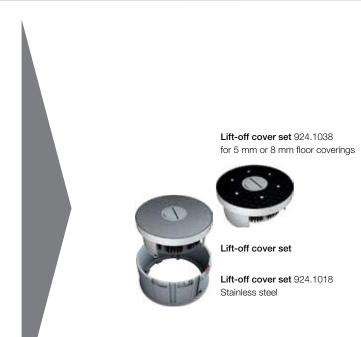
Connection plate 924.4005 Self-contact system 2 x power for max. 2 x data cable set 924.700

Data cable set 924.700 4 x Terra CAT7 jack, length 6 m



Stage 1

LanLight® is a brand belonging to Bierbrauer Hoff Planungsgesellschaft mbH





Twist-off cover 924.1046 for floor coverings, with water protection

Patch column 640 mm

924.5002: 2 x earth contact, 4 x CAT6a jack including 6 m supply cable 924.5003: 4 x earth contact, 8 x CAT6a jack including 6 m supply cable



Mini patch column 924.6000 150 mm, 2 x earth contact



Twist-off cover 924.1046 for floor coverings, with water protection



Lift-off cover set 924.1040 for 5 mm / 8 mm Floor coverings

Lift-off cover set Self-contact system

Lift-off cover set 924.1039 Stainless steel

Mobile column 640 mm

924.5000: 2 x earth contact, 4 x CAT6a 10 Gbit 924.5001: 4 x earth contact, 8 x CAT6a 10 Gbit





Lamps are available from our partner LUDWIG Leuchten on request

Stage 1: LanLight® basic unit

Art. no. Version



| Basic unit for all LanLight [®] components | | | | | |
|---|---|--|--|--|--|
| Modular socket | | | | | |
| 924.1016 · Fits into raised and false floors | | | | | |
| | Fixes in round cut-out with diameter 152 (+1) mm | | | | |
| | \cdot For floor thicknesses from 25 to 70 mm (min. floor thickness 35 mm for column versions) | | | | |
| | · Fixed by three clamping claws | | | | |
| | · Overall height: 97 mm, installation depth: 93 mm, external diameter: 162 mm | | | | |

· Die-cast aluminium

Stage 2: LanLight® inserts

| Art. no. | Version |
|----------|---------|
|----------|---------|

| 924.4001 | • To connect up to 4 Wieland GST15i3 sockets (power) and 8 data jacks (keystone) |
|----------|--|
| | Rear strain relief for power connections |
| | Disengagement aid for Wieland GST15i3 plugs |
| | 4 x Wieland GST15i3 sockets, fitted, incl. 0.2 m H05VV-F 3G 2.5 mm² power cable to GST18i3 plug |
| | · To connect up to 8 data jacks (keystone) |
| | Rear strain relief for power connections |
| | · Coded connecting points (data 1-8, power A-D) |
| | · Diameter: 114.8 mm |

Connection plate for fitting in LanLight® lift-off cover set

924.4000 · To connect up to 4 Wieland GST15i3 sockets (power) and 8 data jacks (keystone)

- Rear strain relief for power connections
 - Disengagement aid for Wieland GST15i3 plugs
 - · Coded connecting points (data 1-8, power A-D)
 - · 4 x Wieland GST15i3 sockets
 - · To connect up to 8 data jacks (keystone)
 - · Diameter: 114.8 mm

| | Rear strain relief for power connections integrated in housing Coded connecting points (data 1-4, power A-B) |
|--------|---|
| | Incl. 2 x 0.2 m H05W-F 3G 2.5 mm² power cable to GST18i3 plug Diameter: 114.8 mm |
| | ction plate for fitting in LanLight® lift-off cover set |
| 924.40 | To connect up to two phases to the earthing contact socket outlets To connect up to 4 data jacks (keystone) Rear strain relief for power connections integrated in housing Coded connecting points (data 1-4, power A-B) Diameter: 114.8 mm |

Art no Versio

| Art. no. | Version | |
|------------|---|------------------|
| Connectio | n plate for 3 x custom modules and 3 x power with breakout cable and GST18i3 plug | СИЗТОМ |
| Connection | n plate for fitting in the LanLight [®] cover guide | - |
| 924.4004 | Accepts up to 3 Bachmann custom modules | the state of the |
| | · 3 x Wieland GST15i3 sockets, fitted, incl. 0.2 m H05W-F 3G 2.5 mm ² | |
| | power cable to GST18i3 plug | |
| | Rear strain relief for power connections | 111 |
| | Disengagement aid for Wieland GST15i3 plugs Coded compacting points (data 1.2, power A.C) | |
| | · Coded connecting points (data 1-3, power A-C) · Diameter: 114.8 mm | T I |
| | | |
| | nection plate 3 x custom module and 3 x power for mains connection by client | CUSTOM |
| | n plate for fitting in LanLight [®] lift-off cover set | |
| 924.4003 | To connect up to 3 Wieland GST15i3 sockets (power) and | a. |
| | 3 Bachmann custom modules | all a final the |
| | Rear strain relief for power connections | |
| | · 3 x Wieland GST15i3 sockets | 7-2 |
| | Disengagement aid for Wieland GST15i3 plugs | 110 |
| | Coded connecting points (data 1-3, power A-C) | |
| | · Diameter: 114.8 mm | |
| Self-conta | ct 10 Gbit 4P/2S with breakout cable and GST18i3 plug | |
| Connection | n plate to fit in the modular installation box | |
| 924.4006* | · Base unit to accept the self-contacting power column 924.5000 or 924.5001 | 1 All - a |
| | Prepared to accept 1-2 data cable sets 924.700 | |
| | Coded connecting points (data 1-8, power A-B) | |
| | · For 924.1041 | |
| | • 2 x Wieland GST15i3 sockets, fitted, incl. 0.2 m H05VV-F 3G 2.5 mm ² | A |
| | power cable to GST18i3 plug | |
| | · Diameter: 114.8 mm | |
| 10 Gbit se | If-contact for mains connection by client | |
| | n plate to fit in the modular installation box | |
| 924.4005* | · Base unit to accept the self-contacting power column 924.5000 or 924.5001 | a Chan |
| | Prepared to accept 1-2 data cable sets 924.700 | |
| | Coded connecting points (data 1-8, power A-B) | |
| | · For 924.1041 | |
| | · 2 x Wieland GST15i3 sockets | |
| | · Diameter: 114.8 mm | Ċ |
| | | |
| Data cable | e set | |
| | ntact connection plates 924.4005 and 924.4006 | |
| 924.700* | 4 x Tyco Electronics CAT7 (Terra) Jacks to Tyco Electronics CAT6a plug | A |
| | Column, 2-sided with 8 ports: Requires 2 x data cable set 924.700 | and the second |
| | Column, 1-sided with 4 ports: Requires 1 x data cable set 924.700 Cable length 6 m cach | |
| | Cable length 6 m each Prepared as a cable bundle | |
| | . Lieharen az a ganie nninnie | |

Cone as tower holder Cone as column holder

924.1041 · Used to directly mount the LanLight® columns · For 924.5002, 924.5003 and 924.6000



Art. no.

L



| Lift-off cap set with stainless steel inlay | | | | | |
|---|---|--|--|--|--|
| Lift-off cap | set to fit in the modular installation box | | | | |
| 924.1018 | \cdot Two positions: open during use / closed when not in use | | | | |
| | With catch mechanism when open | | | | |
| | With dust protection as cable bushing | | | | |
| | With labelling card for connections | | | | |
| | · With stainless steel inlay | | | | |
| | | | | | |

Lift-off cap variants

Version

- · Inlay diameter: inner 49 mm, outer 142 mm
- · Lift-off cap diameter 146.4 mm, cap guide diameter 128.8 mm



| | Lift-off | cap | set 5 | mm / | ' 8 mm |
|--|----------|-----|-------|------|--------|
|--|----------|-----|-------|------|--------|

Lift-off cap set to fit in the modular installation box

- 924.1038 · Two positions: open during use / closed when not in use
 - · With catch mechanism when open
 - · With dust protection as cable bushing
 - · With labelling card for connections
 - \cdot For gluing into dry surfaces with thicknesses 5 mm or 8 mm (e.g. carpet, laminate)
 - · Inlay diameter: inner 49 mm, outer 142 mm, lining depth 5 mm or 8 mm
 - · Lift-off cap diameter 146.4 mm, cap guide diameter 128.8 mm



| ift-off cap set, self-contacting, with stainless steel in | lay |
|---|-----|
| ift-off cap set to fit in the self-contacting cone | |

- 924.1039* \cdot Two positions: open during use / closed when not in use
 - \cdot With catch mechanism when open
 - \cdot With labelling card for connections
 - · With stainless steel inlay
 - · Inlay diameter: inner 49 mm, outer 142 mm, depth 5 mm or 8 mm
 - · Lift-off cap diameter 146.4 mm, cap guide diameter 128.8 mm



| iπ- | οπο | cap | set, | seit-o | cont | acting, | 5 m | ım / | 8 mm | |
|-----|-----|-----|------|---------|------|---------|-----|------|------|--|
| | ~~ | | | <i></i> | | | | | | |

- Lift-off cap set to fit in the self-contacting cone
- 924.1040* \cdot Two positions: open during use / closed when not in use
 - · With catch mechanism when open
 - · With labelling card for connections
 - · For gluing into dry surfaces with thicknesses 5 mm or 8 mm (e.g. carpet, laminate)
 - · Inlay diameter: inner 49 mm, outer 142 mm, lining depth 5 mm or 8 mm
 - · Lift-off cap diameter 146.4 mm, cap guide diameter 128.8 mm



Twist-off cover for 12 mm inlay

Twist-off cover to screw onto cone to hold column

924.1046 \cdot Cover to close modular installation box with cone (924.1016, 924.1041)

- · Water protected
- · For inlay (e.g. stone/tiles) with approx. 12 mm thickness
- · Incl. mounting wrench and shucks
- · Inlay diameter: inner 139 mm

Stage 3: LanLight® extension units

Art. no. Version

| Self-contac | Self-contacting column, 10 Gbit 4P/2S, one-sided | | | | | |
|---|---|--|--|--|--|--|
| Column, 10 Gbit, for 1-2 workstations | | | | | | |
| 924.5000* · For simply plugging into and unplugging from LanLight® cone holder (924.1041) | | | | | | |
| | · 2 earthing contact socket outlets (2 phase) and 4 Tyco CAT6a jacks | | | | | |
| | Coded connecting points (data 1-4, power A-B) | | | | | |
| | Fully pre-wired, incl. 4 x Tyco Terra CAT7 plug for self contacting | | | | | |
| | · Socket outlets: 2-pole with earthing contact, 16 A/3680 W , AC 250 V, IP20, black | | | | | |
| | · Column can be expanded by inserting a LanLight® system lamp | | | | | |
| | · Height 640 mm, diameter 95 mm | | | | | |

| | Column, self-contacting, 10 Gbit 8P/4S, two-sided | | | | | |
|---|---|--|--|--|--|--|
| | Column, 10 |) Gbit, for 3-4 workstations | | | | |
| 924.5001* · For simply plugging into and unplugging from LanLight® cone holder (924.104 | | | | | | |
| \cdot 4 earthing contact socket outlets (2 phase) and 8 Tyco CAT6a jacks | | | | | | |
| · Coded connecting points (data 1-8, power A-D) | | | | | | |
| Fully pre-wired, incl. 8 x Tyco Terra CAT7 plug for self contacting | | | | | | |
| | | \cdot Socket outlets: 2-pole with earthing contact, 16 A/3680 W, AC 250 V, IP20, black | | | | |
| | | Column can be expanded by inserting a LanLight[®] system lamp | | | | |

· Height 640 mm, diameter 95 mm

4P/2S patch column, one-sided Column for 1-2 workstations 924.5002 · Simple mounting on the LanLight® conical holder (924.1041) · 2 earthing contact socket outlets (2 phase) and 4 CAT6a jacks (keystone) · Coded connecting points (data 1-4, power A-B) · 2 x 6 m H05W-F 3G 2.5 mm² power cable to Wieland GST18i3 plug · 4 x 6 m data cables, CAT6a jack to CAT6a plug · Socket outlets: 2-pole with earthing contact, 16 A /3680 W , AC 250 V, IP20, black · Column can be expanded by inserting a LanLight® system lamp · Column materials: Extruded aluminium, powder-coated RAL 9006

· Height 640 mm, diameter 95 mm

Patch column 8P/4S two-sided

Column for 3-4 workstations 924.5003 · Simple mounting on the LanLight® conical holder (924.1041)

- · 4 earthing contact socket outlets (2 phase) and 8 CAT6a jacks (keystone)
 - · Coded connecting points (data 1-8, power A-D)
 - · 4 x 6 m H05VV-F 3G 2.5 mm² power cable to Wieland GST18i3 plug
 - · 8 x 6 m data cables, CAT6a jack to CAT6a plug
 - · Socket outlets: 2-pole with earthing contact, 16 A/3680 W, AC 250 V, IP20, black
 - \cdot Column can be expanded by inserting a LanLight $^{\mbox{\tiny (B)}}$ system lamp
 - · Height 640 mm, diameter 95 mm

Mini patch column 2S

Mini column

- 924,6000 · Mini patch column for simple mounting on the LanLight® conical holder (924.1041)
 - · 2 socket outlets with earthing contact (2 phases)
 - · Coded connecting points (power A-B)
 - \cdot 30 mm surge water protection
 - \cdot 2 x 0.2 m breakout cable H05VV-F 3G 2.5 mm² and GST18i3 plug incl. GST T-piece
 - \cdot Socket outlets: 2-pole with earthing contact, 16 A/3680 W, AC 250 V, IP20, black
 - · Height 150 mm, diameter 95 mm





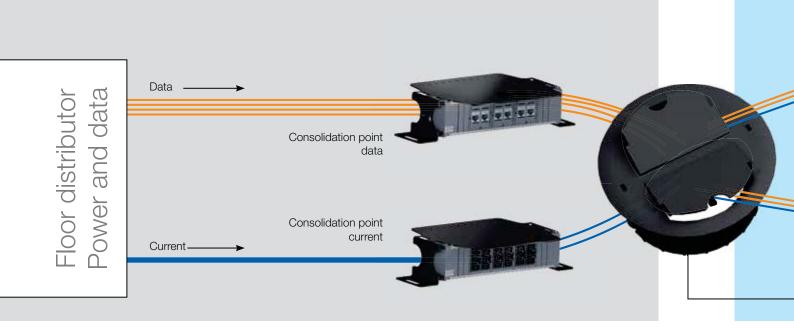












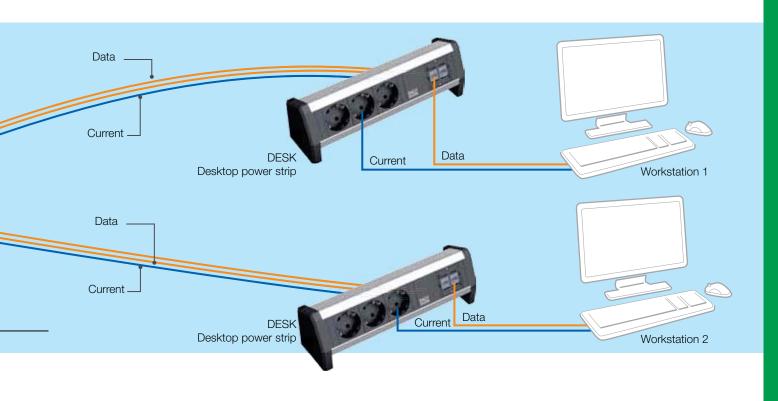
Consolidation point Installation solutions from a single supplier

Bachmann's new system for under-floor distribution and installation, based on the MUTO (multi-user terminal outlet) concept, offers a coherent and simple installation solution that brings power and data to the desktop.

The consolidation points for power and data are linked to the floor distributor in the conventional way. Floor outlets and desktop power strips from the Bachmann facility range complete the installation kit. After the consolidation point the floor outlet allows power and data to be conveyed with ease to the workstation. This dispenses with complicated and inflexible installations such as traditional floor box systems.

Thanks to the "open-office cabling", CP and MUTO concepts the network installation is flexible, futureproof and at the same time cost-optimised. The combination of power and data connections can be found in various Bachmann facility systems. They thus offer a user-centred unit providing all necessary connections.

In the complete Bachmann catalogue you can also find various desktop power strips for mounting on top of or fitting into office workstation desks. All versions can be configured as required and supplied ready for use.



| CP mounting | Robust steel plate mounting for CPs | |
|-------------|--|------------|
| | Mountings with secure, tool-free clip-in and release mechanism | |
| | Anchors firmly on the floor with integrated screw-on brackets | A GE SE SE |
| | Mountings with extra step protection of approx. 200 kg incl. CP unit | |
| | Raised position of CP units for greater protection in case of minor | - |
| | ingress of water | |
| | | |

| CP power | Power CP is fully wired and electrically tested at the factory | |
|----------|--|----|
| | • Power connections with connector systems by Wieland (Gesis GST); | |
| | Wago (Winsta) versions available on request | |
| | Other connector systems can be fitted if required | |
| | Time-optimised on-site installation | -5 |
| | Future-proof thanks to flexible structure | |
| | | |

| | Control of the second sec |
|---|--|
| arious manufacturers' systems can be integrated | |
| asy to install and future-proof thanks to modular structure | The second second |
| hould a change be necessary, only the data connector unit is changed | |
| lounting and unit remain unchanged | |
| dditional strain relief for data connection can be provided with cable ties | |
| | arious manufacturers' systems can be integrated asy to install and future-proof thanks to modular structure hould a change be necessary, only the data connector unit is changed founting and unit remain unchanged dditional strain relief for data connection can be provided with cable ties |

CP power reconnectable

Consolidation point units for power

- Fully wired and electrically tested .
- With Wieland GST18i3 plug •

Art. no. Version

| Short | |
|--|---|
| 919.2000 | · 6-way GST18i3 socket, black, 1-phase |
| | · Power input: GST18i3 |
| 919.2001 | · 2 x 3-way GST18i3 socket, 2-phase |
| | Sockets in black and red |
| | · Power input: GST18i3 |
| | |
| Consolida | tion point units for power |
| Long | |
| 919.2002 | |
| 919.2002 | · 12-way GST18i3 socket, black, 1-phase |
| 919.2002 | 12-way GST18i3 socket, black, 1-phase Power input: GST18i3 |
| | |
| | Power input: GST18i3 |
| | Power input: GST18i3 2 x 6-way GST18i3 socket, 2-phase |
| 919.2003 | Power input: GST18i3 2 x 6-way GST18i3 socket, 2-phase Sockets in black and red |
| 919.2003 | Power input: GST18i3 2 x 6-way GST18i3 socket, 2-phase Sockets in black and red Power input: GST18i3 |
| 919.2003 | Power input: GST18i3 2 x 6-way GST18i3 socket, 2-phase Sockets in black and red Power input: GST18i3 3 x 4-way GST18i3 socket, 3-phase |
| 919.2003 919.2004 | Power input: GST18i3 2 x 6-way GST18i3 socket, 2-phase Sockets in black and red Power input: GST18i3 3 x 4-way GST18i3 socket, 3-phase Sockets in black, red and grey |
| 919.2002 919.2003 919.2004 919.2005 | Power input: GST18i3 2 x 6-way GST18i3 socket, 2-phase Sockets in black and red Power input: GST18i3 3 x 4-way GST18i3 socket, 3-phase Sockets in black, red and grey Power input: 3 x GST18i3 socket |

Consolidation point units for data

- Without power, to integrate with Bachmann custom modules
- Anodised aluminium profile

Art. no. Version

CUSTOM Consolidation point units for data



1

1 States

| 912.000 | · 3 x custom modules, empty |
|---------|-----------------------------|
| | · Short: 217 mm |
| 912.001 | · 6 x custom modules, empty |
| | · Long: 356 mm |
| | |

Consolidation point mounting

- Colour black (RAL 9005)
- Mounting in steel plate

Art. no. Version

.



Floor outlet for dry-maintained floors

Outlet for dry-maintained floors (raised and false floors) from 24 mm thickness for the cable outlet from the subfloor (consolidation point) to the power strip on the desk. The outlet features a very simple universal fixing. With one rotation of each of the two eccentric Allen bolts in the outer ring the outlet is anchored firmly into the floor, yet can easily be removed again if required. 2 flaps, each of which can be opened to a position independent of the other, allow cabling to be routed out from the floor. The flaps can be snap-fastened in open positions, thus preventing cables becoming bent and possibly damaged. If required the flaps can be rotated through 130° with the inner ring. Textile-fibre sleeves or cable management systems from the Bachmann range can be docked to the outlet flaps. If the outlet is no longer used, the flaps can be lowered and used as a blank cover that can be stepped on.

- · Exit point/floor outlet for power and data cables
- \cdot $\,$ Fits in raised floors with thicknesses from 24 mm
- Hole diameter 112 mm
- · Simple fixing mechanism with Allen bolts
- · 2 flaps, rotatable though approx. 130°, for cable outlet
- · Material: polyamide (halogen free)

Art. no. Version

Exit point/floor outlet 919.1000 · Black RAL 9005



RAL 9005

Length

CAT5e patch cable plug/plug

1.0 m

3.0 m

5.0 m

1.0 m

3.0 m

5.0 m

Length

Art. no.

Art. no.

918.003

940.052

940.053

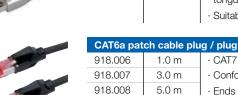
Data cables -> Transfer of data within various categories

(see glossary) Used for network and IP telephone services

Version

| at . | |
|------|------|
| 1 | illi |





| CAT6 patc | h cable plug | g / plug |
|-----------|--------------|---|
| 940.040 | 3.0 m | · CAT6 cable, shielded, colour grey |
| 940.041 | 5.0 m | Conforms to ISO / IEC 11801 and EN 50173 |
| | | Ends 1 and 2: RJ45 plug with kink protection nozzle and protective tongue for interlock |
| | | Suitable for e.g. CAT6 socket / socket 940.044 |

 \cdot CAT7 cable, shielded, colour black

· Conforms to IEC 61156-6

nozzle and unlocking tongue

· CAT5e cable, shielded, colour grey

protective tongue for interlock

· Conforms to ISO / IEC 11801 and EN 50173

· Suitable for e.g. CAT5e socket / socket 940.057

 \cdot Ends 1 and 2: RJ45 plug with kink protection nozzle and





| | | · Suitable for e.g. CAT6 socket / socket 940.044 |
|-----------|--------------|--|
| CAT6a pat | ch cable plu | lg |
| 918.033 | 3.0 m | · CAT7 cable, shielded, colour black |
| 918.034 | 5.0 m | Conforms to IEC 61156-6 |
| | | End 1: RJ45 Hirose TM12 CAT6a plug with kink protection nozzle and unlocking tongue. End 2: CAT6a TKM 10 GB keystone socket. |
| | | · Fits into keystone frames 917.000 / 917.001 / 917.061 / 917.062 |

 \cdot Ends 1 and 2: RJ45 Hirose TM12 CAT6a plug with kink protection



| RJ12 patc | h cable plug | / plug |
|-----------|--------------|---|
| 940.089* | 3.0 m | · RJ12 cable, unshielded, colour black |
| | | Conforms to ISO / IEC 11801 and EN 50173 |
| | | Ends 1 and 2: RJ12 plug with kink protection nozzle |
| | | · Suitable for e.g. RJ12 socket / socket 940.085 |

VGA 15-pole HD with or without miniature jack cable (stereo 3.5 mm) ->

Transmission of analogue image and sound signals

Version



| | 1 0 | I |
|-----------|-------------|---|
| VGA 15-pc | ole HD comb | i cable with miniature jack |
| 918.066 | 1.0 m | · High quality cable, high flexibility, colour black |
| 918.067 | 3.0 m | · End 1: 1 x 15-pole VGA HD plug, 1 x miniature jack plug, 3.5 mm |
| 918.068 | 5.0 m | · End 2: 1 x 15-pole VGA HD plug, 1 x miniature jack plug, 3.5 mm |
| 918.069 | 10.0 m | Plug with metal housing and shielding, no additional ferrite core is required |
| | | Can be used with custom modules with VGA + miniature jack socket / socket (e.g. 917.045 etc.) |



| VGA 15-pc | VGA 15-pole HD | | |
|-----------|----------------|---|--|
| 918.009 | 1.0 m | High quality cable, flexible, colour black | |
| 940.047 | 3.0 m | · End 1: 1 x 15-pole VGA HD plug | |
| 940.048 | 5.0 m | · End 2: 1 x 15-pole VGA HD plug | |
| | | \cdot Can be used with custom modules with VGA socket / socket (e.g. 917.011) | |

* No storage type

Media VGA 15-pole HD combi cable with miniature jack

(3.5 mm stereo) and RJ12 (signal control) for media switch

| Art. no. | Length | Version | |
|----------|-------------|---|------|
| VGA 15-p | ole HD coml | bi cable with miniature jack and signal control | |
| 903.107 | 1.0 m | · High quality cable, high flexibility, colour black | |
| 903.108 | 3.0 m | · End 1: 1 x 15-pole VGA HD plug, 1 x miniature jack plug 3.5 mm and RJ12 plug | av |
| 903.109 | 5.0 m | · End 1: 1 x 15-pole VGA HD plug, 1 x miniature jack plug 3.5 mm and RJ12 plug | 14 🛲 |
| 903.110 | 10.0 m | Plug with metal housing and shielding, no additional ferrite core is required | |
| | | Can be used with custom modules with VGA + miniature jack socket / socket and button (e.g. 917.134) | |

HDMI connecting cable -> digital transmission of image and sound signals

| Art. no. | Length | Version | |
|----------|-------------|--|--|
| HDMI con | necting cab | le | |
| 918.019 | 3.0 m | · HDMI cable, colour black | |
| 918.020 | 5.0 m | · End 1: 1 x HDMI plug, 19-pole | |
| | | · End 2: 1 x HDMI plug, 19-pole | |
| | | \cdot Can be used with custom modules with HDMI socket / socket (e.g. 918.040) | |

DVI-I connecting cable -> digital transmission of image signals

(compatible with DVI-A and DVI-D connectors)

| Art. no. | Length | Version |
|------------|--------------|---|
| DVI-I conn | ecting cable | e |
| 918.017 | 3.0 m | · DVI cable, colour black |
| 918.018* | 5.0 m | · End 1: 1 x DVI plug |
| | | · End 2: 1 x DVI plug |
| | | · Can be used with custom modules with DVI-I socket / socket (e.g. 917.021 / 917.078) |

Cinch video + stereo connecting cable -> transmission of analogue image and sound signals

| Art. no. | Length | Version |
|------------|---------------|---|
| Cinch vide | eo + stereo d | connecting cable |
| 918.015* | 3.0 m | · Cinch connecting cable set, colour black |
| 918.016* | 5.0 m | · End 1: Cinch plug (red + white + yellow) |
| | | · End 2: Cinch plug (red + white + yellow) |
| | | · Can be used with custom modules with Cinch socket / socket (e.g. 917.026) |

S-Video (Hosiden) connecting cable -> transmission of analogue image signals

| Art. no. Length Version | | | | | |
|-------------------------|------------------------------------|--|--|--|--|
| S-Video (H | S-Video (Hosiden) connecting cable | | | | |
| 940.104* | 3.0 m | · S-Video (Hosiden) connecting cable, colour black | | | |
| 940.105* | 5.0 m | · End 1: S-Video plug | | | |
| | | · End 2: S-Video plug | | | |
| | | Can be used with custom modules with S-Video socket / socket (e.g. 917.028 / 917.035) | | | |





3.5 mm miniature socket connection cable -> transmission of sound signals



| Art. no. | Length | Version | | | | |
|-----------|--|--|--|--|--|--|
| 3.5 mm mi | 3.5 mm miniature jack connecting cable for audio signals | | | | | |
| 918.010 | 1.5 m | · 3.5 mm miniature jack (stereo) connecting cable, colour black | | | | |
| 918.011 | 2.5 m | · End 1: 3.5 mm stereo miniature jack plug | | | | |
| 918.012 | 5.0 m | End 2: 3.5 mm stereo miniature jack plug | | | | |
| | | Can be used with custom modules with miniature jack socket / socket (e.g. 917.045 / 917.157) | | | | |

Cinch stereo connecting cable -> transmission of sound signals



| Art. no. | Length | Version | | |
|---|--------|---|--|--|
| Cinch stereo connecting cable for audio signals | | | | |
| 940.049 | 3.0 m | · Cinch (stereo) connecting cable, colour black · End 1: Cinch stereo plug (red + white) | | |
| | | End 2: Cinch stereo plug (red + white) | | |
| | | Can be used with custom modules with Cinch socket / socket (e.g. 917.027 / 917.028 / 917.022 / 917.023) | | |

XLR connecting cable -> transmission of sound signals (e.g. from microphone)



| Art. no. | Length | Version | | | | |
|------------|---|---|--|--|--|--|
| XLR 3-pole | XLR 3-pole connecting cable for audio signals | | | | | |
| 918.013 | 3.0 m | · XLR 3-pole connecting cable, colour black | | | | |
| 918.014 | 5.0 m | • End 1: XLR 3-pole plug with interlock | | | | |
| | | • End 2: XLR 3-pole socket with interlock | | | | |
| | | · Can be used with custom modules with XLR connector (e.g. 917.024) | | | | |

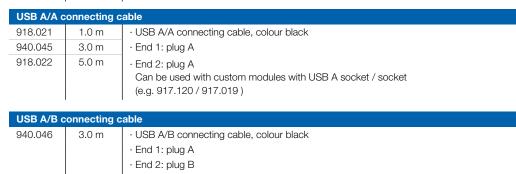
USB connecting cable -> transmission of data

Version

Art. no.

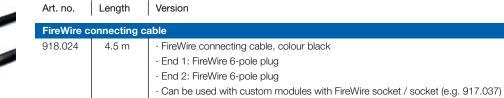
Length





· Can be used with custom modules with USB B socket / socket (e.g. 917.018)

FireWire connecting cable -> transmission of data





| | 1 | Sec. 1 |
|-----|----|--------|
| - 1 | | |
| S- | | No. |
| < | ·T | |
| V | | |

Power supply cables for Bachmann facility systems

Cables fitted with Wieland GST18 plug-in connectors are available to connect facility products to the mains power supply. The advantages of these cables and their connectors, which are used all over the world, are flexibility in terms of length, the possibility of exchanging them should length requirements change, and availability for a variety of countries. Even extending the power supply to other power strips presents no problem and can usually be done without tools.

| Art. no. | Length | Version | | |
|-------------|---------------|---|-------|----------|
| Device sup | oply cable, C | GST18 earthing contact | black | |
| | | | | |
| 375.000 | 1.5 m | · Cable: H05VV-F 3G 1.5 mm ² | | — |
| 375.075 | 2.0 m | End 1: Right angle plug with earthing contact | | |
| 375.003 | 3.0 m | End 2: Wieland GST18i3 socket | | |
| 375.005 | 4.0 m | | | |
| 375.007 | 5.0 m | | | - |
| 375.039 | 10.0 m | | | |
| Halogen-fre | ee cable | | | |
| 375.044 | 2.0 m | · Cable: S05VV-F 3G 1.5 mm ² | | |
| 375.045 | 3.0 m | End 1: Right angle plug with earthing contact | | 1 |
| 375.046 | 5.0 m | · End 2: Wieland GST18i3 socket | | |

Device supply cable with additional earth connection

Pre-assembled power supply cables with integrated earth connection Earthing of the power strip is independent of the installation

- Ideal in combination with STEP power strips (see from page 56)
- \cdot Table-mounted frames can be earthed independently of the power strip fitted in them

Art. no. Length Version

| Device su | pply cable, | GST18 earthing contact | | black | |
|------------|-------------|---|-----------------------|-------|-----------|
| With extra | earth conne | ction | | | |
| 375.115 | 2.0 m | · Cable: H05VV-F 3G 1.5 mm ² | | | |
| 375.116 | 3.0 m | End 1: Right angle plug with earthing contact | t | | |
| 375.117 | 5.0 m | • End 2: Wieland GST18i3 socket with 0.3 m | | | |
| | | 1.5 mm ² green/yellow, with M6 ring terminal | | | |
| Device su | pply cable, | GST18, plug CH / Switzerland | | Black | |
| 375.016 | 1.5 m | · Cable: H05VV-F 3G 1.0 mm ² | | | + |
| 375.017 | 3.0 m | • End 1: CH / Switzerland plug | | | |
| 375.018 | 5.0 m | · End 2: Wieland GST18i3 socket | | | |
| Device su | pply cable, | GST18, plug UK 13 A | | Black | |
| 375.068 | 2.0 m | · Cable: H05VV-F 3G 1.5 mm ² | | | |
| 375.069 | 3.0 m | • End 1: UK 13 A plug | | | |
| 375.070 | 4.0 m | · End 2: Wieland GST18i3 socket | | | |
| Device ex | tension cab | le, GST18/GST18 | | Black | |
| 375.050 | 0.3 m | · Cable: H05VV-F 3G 1.5 mm ² | | | |
| 375.053 | 1.0 m | · End 1: Wieland GST18 i 3 plug | | | 200 002 |
| 375.038 | 2.0 m | · End 2: Wieland GST18 i 3 socket | | | 2009 VIII |
| 375.055 | 3.0 m | | | | |
| Halogen-f | ree cable | | | black | |
| 375.080 | 0.3 m | · Cable: S05Z1Z1-F 3G 1.5 mm ² | | | |
| 375.081 | 1.0 m | End 1: Wieland GST18i3 plug | | | 200 0diz |
| 375.082 | 2.0 m | • End 2: Wieland GST18i3 socket | | | |
| 375.083 | 3.0 m | | | | |
| Device ex | tension cab | le, GST15/GST18 | | Black | |
| 375.127 | 1.5 m | · Cable: H05VV-F 3G 1.5 mm ² | | | |
| 375.128 | 3.0 m | · End 1: Wieland GST15 i 3 plug | LanLight [®] | | |
| 375.129 | 5.0 m | · End 2: Wieland GST18 i 3 socket | LanLight | | |
| | | | | | |

Accessories

💑 wieland

Art. no. Length

🐳 wieland

Cables with ST18 connector system (older system, cannot be plugged in under load)

Version



| Device su | pply cable, ST18 ea | arthing contact | Black |
|-----------|---------------------|---|-------|
| | | | |
| 375.004 | 1.5 m | · Cable: H05VV-F 3G 1.5 mm ² | |
| 375.079 | 2.0 m | · End 1: Right angle plug with earthing contact | |
| 375.040 | 3.0 m | • End 2: Wieland ST18/3 socket | |
| 375.076 | 5.0 m | | |
| | | | |
| Device ex | tension cable, ST18 | 3/ST18 | Black |
| | | | |
| 375.071 | 0.5 m | · Cable: H05VV-F 3G 1.5 mm ² | |
| 375.072 | 1.0 m | · End 1: Wieland ST18/3 plug | |
| 375.073 | 1.5 m | End 2: Wieland ST18/3 socket | |

Connectors / distributors

3.0 m

375.064





| Art. no. | Version | Version |
|-------------|---------------------------|--|
| Coupler | | Black |
| No interloc | k | |
| 375.500 | GST/GST | |
| 375.515 | GST/ST | Allows easy linking of e.g. two STEP power strips with the same or different plugging systems |
| 375.516 | ST/GST | · 1 x input (plug section) and 1 x output (socket section) |
| Multiplier, | GST18 | |
| For power | distribution | |
| 375.101 | 1 x input, 2 x output (1) | · Input: 3-pole plug |
| 375.102 | 1 x input, 2 x output (2) | · Output: 3-pole socket |
| 375.105 | 1 x input, 3 x output (3) | |

| Through-wired for 3-phase power, 5 and 3-pole | | | | |
|---|-------------------------|----------------------------|---------------------------|--|
| 375.106 | 1 x input, 1+6 x output | Input: | 1 x plug, 5-pole | |
| | | · Output: | 1 x socket, 5-pole; | |
| | | • 6 х 3-ро | le socket per outer cable | |

Interlocks



| Art. no. | Version | Version | | | | |
|-------------|---|---|--|--|--|--|
| Interlock f | Interlock for appliance plugs and couplings | | | | | |
| Compliant | Compliant with VDE 0628 | | | | | |
| 375.518 | Wieland 05.587.3156.1 | · Snaps onto the relevant plugs and couplings | | | | |
| | | | | | | |



| Locking latch (interlock) | | | | |
|---------------------------|-----------------------|--------------------------------------|--|--|
| Complian | t with VDE 0628 | | | |
| 375.501 | Black | For snap-in fitted plug and coupling | | |
| | Wieland 05.584.0153.0 | | | |

Accessories

| Art. no. Version | | Version | |
|------------------|--------------------------------|---|--|
| End cap | | | |
| 375.503 | Black Wieland 05.561.3653.1 | Inserts into the snap-in fitted plug and coupling | |





Mounting accessories

| Art. no. | Version | Version |
|-----------|-------------------------|--|
| Appliance | plug with screw termina | I, GST18 |
| 375.504 | Black | · Ready to fit, with strain relief |
| | Wieland 92.932.3053.1 | \cdot For cross section 0.75 – 2.5 mm ² , solid and flexible wires can be |
| 375.517 | White | connected without end sleeves |
| | Wieland 92.932.3052.0 | For cable diameters 6.5 – 10.5 mm (H05VV, NYM) |
| | | · Outer sheath stripped length 31 mm; insulation stripped length: 7 mm |

| Appliance plug with spring-loaded terminal, GST18i3 | | | | |
|---|-----------------------|---|--|--|
| Lockable, coded | | | | |
| 940.073 | Bright red | · Ready to fit, with strain relief | | |
| | Wieland 92.934.0553.0 | \cdot For rigid cables 1.5 – 2.5 mm ² or flexible cables 1.5 mm ² | | |
| 940.074 | Pebble grey | with end sleeves | | |
| | Wieland 92.934.0153.0 | \cdot 2 connections per pole, not mounted, for cables H05VV, NYM (diameter 7.8 – 10.3 mm) | | |
| | | Outer sheath stripping length 45 mm, insulation stripped length for 1.5 mm² and 2.5 mm²: 9 mm | | |

Appliance coupling with screw terminal, GST18i3

| 375.505 | Black | · Ready to fit, with strain relief |
|---------|-----------------------|--|
| | Wieland 92.931.3053.1 | \cdot For cross section 0.75 – 2.5 mm ² , solid and flexible wires can be |
| 375.514 | White | connected without end sleeves |
| | Wieland 92.931.3053.0 | · For cable diameters 6.5 – 10.5 mm |
| | | (H05VV, NYM) |
| | | · Outer sheath stripped length 31 mm; insulation stripped length: 7 mm |

| Appliance | Appliance coupling with spring-loaded terminal, GST18i3 | | | |
|-------------|---|---|--|--|
| Lockable, d | Lockable, coded | | | |
| 940.070 | Bright red | · Ready to fit, with strain relief | | |
| | Wieland 92.933.0553.0 | \cdot For rigid cables 1.5 – 2.5 mm ² or flexible cables 1.5 mm ² | | |
| 940.071 | Pebble grey | with end sleeves | | |
| | Wieland 92.933.0153.0 | 2 connections per pole, not mounted, for cables H05VV, NYM (diameter 7.8 – 10.3 mm) | | |
| | | Outer sheath stripping length 45 mm, insulation stripped length for 1.5 mm² and 2.5 mm²: 9 mm | | |

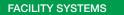
| Snap-in fitted plug, spring loaded, GST18 | | |
|---|--------------------------------------|---|
| With interlock | | |
| 375.506 | Black Wieland 92.032.9658.1 | For material thickness 0.5 – 1.5 mm; engages in cut-out in housing |
| 375.519 | White Wieland 92.032.9658.0 | Flexible cable 0.5 – 1.5 mm² with end sleeve Rigid cable 0.5 – 2.5 mm² |
| 375.520 | Bright red Wieland 92.032.8558.0 | Stripped length 0.5 – 1.5 mm²: 8 mm, Stripped length 2.5 mm²: 9 mm |
| 375.521 | Pebble grey Wieland 92.032.9758.0 | |

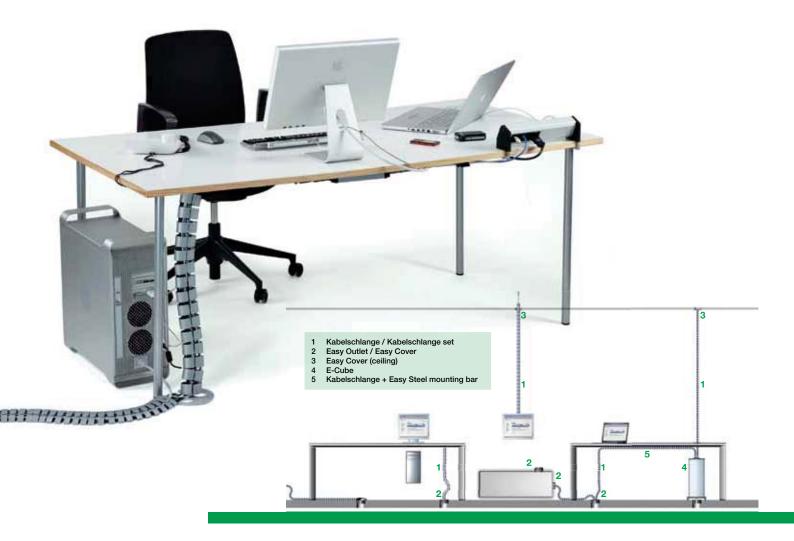
Snap-in fitted coupling, spring loaded, GST18i3 With interlock 375.507 Black · For material thickness 0.5 - 1.5 mm; engages in Wieland 92.031.9658.1 cut-out in housing 375.523 Bright red · Stripped length 0.5 – 1.5 mm²: 8 mm, Wieland 92.031.8558.0 Stripped length 2.5 mm²: 9 mm 375.524 Pebble grey Wieland 92.031.9758.0





💎 wieland





CABLE MANAGEMENT

Perfect installation solutions

Bachmann banishes unwieldy cables from workstations. The KABELSCHLANGE[®] cable management system optimises cable routes in the workplace between the desk, floor box, wall duct and various devices.

Bachmann can offer the best cable management system for every situation. Whether the cables run along the floor or are routed from the floor to the desk, the systems are mutually compatible. A well-thought-out and integrated cable management concept is available to you.

The various systems are available finished in black and silver as standard, but we can provide custom colours on request.

Flexible cable management system

- \cdot The links are safe to step on and break-proof; they can be displaced with respect to one another
- \cdot 2 connector shoulders for the transmission of forces (including torques and lateral forces)
- · Special geometry enables individual cables to be unfurled through the sides of the links without risking crushing

| Art. no. | Colour | Version | |
|----------|-------------------------------|---|-----------------|
| Kabelsch | ange [®] Classic (fo | or horizontal and vertical cable routing) | Martin |
| 930.030 | Black | \cdot 3-chamber system to separate low-current, data and power cables | |
| 930.031 | Silver | • 46 chain links, W x H: approx. 53 x 23 mm • Length (separated): approx. 100 cm, (pushed together): approx. 72 cm | 155555511 march |

Individual

Plugging Shortening

Extending

| Kabelsch | lange [®] Cube (for | horizontal and vertical cable routing) | ana anti- |
|----------|------------------------------|--|------------|
| 930.058 | Black | · 2-chamber system to separate data and power cables | UTITITIES. |
| 930.059 | Silver | \cdot 34 chain links, W x H: approx. 55 x 25 mm | licessa |
| | | · Length (separated): approx. 100 cm, (pushed together): approx. 69 cm | |

| Kabelsch | lange [®] Pro (fo | or horizontal and vertical cable routing) | 1.0008 |
|----------|----------------------------|---|----------------|
| 930.032 | Black | Increased resistance to being stepped on even in high foot traffic areas such as passages | (Fin |
| 930.033 | Silver | · 5 chain links can withstand short-term loads of up to 120 kg | and the second |
| | | · 2-chamber system to separate data and power cables | Section . |
| | | · Can also be connected directly to Kabelschlange® Classic | att the |
| | | · 34 chain links, W x H: approx. 90 x 24 mm | |
| | | · Length (separated): approx. 100 cm, (pushed together): approx. 70 cm | 24.4 |

| Kabelschl | ange [®] Premiu | um Set (for vertical cable routing) | |
|-----------|--------------------------|---|--|
| 930.049 | Black | Designer top-of-the range premium set: | |
| 930.050 | Silver | 16 chain links, W x H: approx. 70 x 35 mm 1 x metal base plate in appropriate colour 1 x desk attachment in appropriate colour The chain links can be pushed together completely to form a self-locking, elliptical cable duct. 2-chamber system to separate data and power cables Length incl. base plate and desk attachment approx. 78 cm Length without accessories approx. 75 mm Length (pushed together): approx. 59 cm in set | |

| Kabelschl | ange [®] Quadro Se | | |
|-----------|-----------------------------|---|-----|
| 930.016 | Black | · Functional set with a strong design element: | |
| 930.017 | Silver | 23 quadratic chain links, W x H: approx. 45 x 45 mm 1 x metal base plate in appropriate colour 1 x desk attachment in appropriate colour The Quadro system is very stable and can therefore be used for ceiling-based installations for room heights of up to approx. 5 metres. 2-chamber system to separate data and power cables Length incl. base plate and desk attachment approx. 76 cm | NEW |

| Kabelsch | lange [®] Quadro (a | | |
|----------|------------------------------|--|-----|
| 930.018 | Black | · as addition to set article no.: 930.016 and 930.017 | |
| 930.019 | Silver | for height-adjustable seating/standing combinations or desk/table heights as of 75 cm and for ceiling suspensions 32 links, length approx. 100 cm | NEW |

| EX II Set (for vertical cable routing) | |
|---|--|
| · Compact and flexible set: | |
| 38 chain links, W x H: approx. 55 x 22 mm 1 x metal base plate in appropriate colour 1 x desk attachment in appropriate colour 2-chamber system to separate data and power cables and for ceiling suspensions Length incl. base plate and desk attachment approx. 75 cm | NEW |
| FL. | 38 chain links, W x H: approx. 55 x 22 mm 1 x metal base plate in appropriate colour 1 x desk attachment in appropriate colour 2-chamber system to separate data and power cables and for ceiling suspensions |

1940

| | Furniture | urniture accessories | | |
|----------------|----------------------------------|---|--|--|
| | Art. no. | Colour | Version | |
| WILTITY THE | Kabelsch 930.020 930.021 | lange [®] FLEX II Black Silver | (as addition to set article no.: 930.022 and 930.023) • for seating/standing combinations • 54 links. Length approx. 100 cm | |
| | Easy-Brid 930.027 | lge [®] Silver | Aluminium floor duct, can be stepped on, length 100 cm The Kabelschlange Pro[®] can be connected directly For carpet | |
| | Easy-Brid 930.028 | lge [®] Silver | Aluminium floor duct, can be stepped on, length 100 cm The Kabelschlange Pro[®] can be connected directly For smooth floors | |
| | Easy-Ste 930.024* | el [©] mounting b | ar · Dimensions: Length 750 mm, diameter 5 mm | |
| × . | Easy-Des 930.025* Easy-Cor | Silver | · Easy-Steel [®] mounting bar fastening | |
| 6 | 930.026* Easy-Des | Silver | Universal coupling | |
| -0.00 | 930.029 930.090 | Black Silver | Adapter for vertical connections on furniture Can be combined with Easy-Stop [®] and Easy-Steel [®] Includes two 4 x 12 mm screws | |
| and the second | Easy-Sto 930.091 930.092 | p-2B2K® Black Silver | · 3-part cable strain relief for Kabelschlange[®] Classic, Cube, Pro · Can be combined with Easy-Desk-2B[®] and Easy-Steel[®] · Includes clamping screws | |
| | Cable cla 930.051 | mp set with st Black | rain relief • For screwing onto underside of desk/table top • Consisting of: of: Cable clamp incl. 2 fixing screws and strain relief with adjusting screw | |
| | E-Cube-H 930.166 | <-540 [®] power c | Folumn for supply of power and data To hold sockets indoors (e.g. article no.: 333.0122) Material: anodised aluminium / plastic Dimensions: Height approx. 54 cm/ cover approx. 22.3 x 22.3 cm/ base approx. 24 x 24 cm Hole diameter 80 mm including Easy Outlet[®] telescopic cover | |

Floor connection accessories



Illustration shows 930.099 and 930.137

| Art. no. | Colour | Version | | | |
|---|----------------|---|--|--|--|
| Easy-Outle | et® floor unit | | | | |
| 930.098* | Black | Floor level installation unit | | | |
| 930.099* | Silver | Tight braced fastening Suited to dry-maintained raised and false floors | | | |
| Easy-Cover [®] telescopic cover for floor unit | | | | | |
| 930.100* | Black | Telescopic cover set for Easy-Outlet [®] floor unit | | | |
| 930.137 | Silver | | | | |

* No storage type

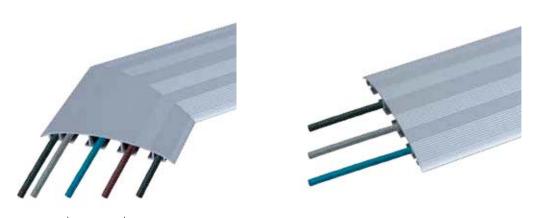
Floor connection accessories

| Art. no. | Colour | Version | |
|-----------|------------------------------|--|--|
| Easy-Cov | er-l® (system a | ttachment for floor unit) | July Martin |
| 930.162* | Black | · Connection for 1 x Cube, Pro, Classic or Flex | NEW § |
| 930.138* | Silver | Material: PP for use in floor outlet | Contraction The second |
| | | | |
| Easy-Cov | er-II® (system a | attachment for floor unit) | 44 |
| 930.163* | Black | Connection for 2 x Cube, Pro, Classic or Flex | - |
| 930.139* | Silver | Material: PP for use in floor outlet | |
| Easv-Cov | er-Quadro [®] (sv | vstem attachment for floor unit) | |
| 930.164* | Black | · Connection for 1 x Kabelschlange® Quadro | |
| 930.160* | Silver | Material: PP for use in floor outlet | |
| | | | |
| Easy-Cov | er-Premium® (| system attachment for floor unit) | NEW SCALE |
| 930.165* | Black | · Connection for 1 x Kabelschlange® Premium | The second se |
| 930.161* | Silver | Material: PP for use in floor outlet | |
| Easy-Swit | ch [®] distributo | r (for Kabelschlange [®] Classic, Cube, Pro) | |
| 930.034* | Black | · 3-way distributor | |
| 930.035* | Silver | includes 4 coupling links for KS Cube® | |
| Easy-Swit | ch [®] distributo | r (for Kabelschlange [®] Classic, Cube, Pro and a vertical K. Premium connection) | |
| 930.057* | Black | · 4-way distributor with fixing screw and base plate | Y |
| | | includes 4 coupling links for KS Cube[®] | and the |
| | • | | A DE LE DE L |
| Easy-Cap | 1 | | Mangar Trees |
| 930.044* | Black | Cover cap for Easy-Switch connections that are not needed | |
| 930.045* | Silver | | |
| Easy-Clip | -S [®] floor outlet | t adapter for all common floor outlets | _ |
| 930.036* | | · For floor outlet for Kabelschlange® Classic | |
| | | · Dimensions: L x W: approx. 86 x 47 mm | |
| | -L [®] floor outlet | t adapter for all common floor outlets | |
| 930.054* | | For floor outlet for Kabelschlange® Pro and Cube | |
| | | · Dimensions: L x W: approx. 91.5 x 51 mm | |
| | | | |
| | nnection ac | cessories | |
| | | | |
| Art. no. | Colour | Version | |

Easy-Cover-B® (system attachment with low transmission of force to suspended ceilings) 930.093* White · Polypropylene blank cover Easy-Cover-I® (system attachment with low transmission of force to suspended ceilings) 930.094* White · Connection for 1 x Cube, Pro, Classic or Flex · Material: POM for suspended ceilings Easy-Cover-II® (system attachment with low transmission of force to suspended ceilings) 930.095* White · Connection for 2 x Cube, Pro, Classic or Flex · Material: POM for suspended ceilings Easy-Cover-Quadro® (system attachment with low transmission of force to suspended ceilings) 930.096* · Connection for 1 x Kabelschlange® Quadro White · Material: POM for suspended ceilings Easy-Cover-Premium® (system attachment with low transmission of force to suspended ceilings) · Connection for 1 x Kabelschlange® Premium 930.097* White Material: POM for suspended ceilings



BRIDGE - the cable duct



Art. no. Length Version

| CABLE BR | IDGE | Dimensions: (W x H) 146 x 9 mm |
|------------|------------|--|
| Cable duct | , straight | |
| 930.060 | 1.0 m | · Anodised aluminium profile, with rippled surface to reduce slipping |
| 930.061 | 2.0 m | · 3-chamber system allowing power and data cables to be routed separately · Can be fixed with double-sided tape or screwed into place on the floor (see fixing accessories) |



| CABLE BRIDGE | | |
|------------------------|-----|-------------------------------|
| Bracket for cable duct | | |
| 930.062 | 45° | Bracket in anodised aluminium |
| 930.063 | 90° | |



| CABLE BF | CABLE BRIDGE | | | | |
|--|--------------------------------|--|--|--|--|
| Linking ele | Linking element for cable duct | | | | |
| 930.064 Straight · Link for joining straight cable ducts · Screws into place with integral Allen bolts · 2 items | | | | | |



| CABLE B | CABLE BRIDGE | | | | |
|------------|-----------------------------------|---|--|--|--|
| Fixing acc | Fixing accessories for cable duct | | | | |
| 930.065 | Straight | For screwing down cable ducts at the ends 4 items | | | |

Wrap textile-fibre sleeves

Wrap textile-fibre sleeves bundle and protect cables and wires in office and home environments.

The elastic braided sheath with its monofilament fibres assures fire and abrasion resistance and is thus also ideal for professional and industrial use.



Automatic Wrap

| The advantages | Simple, low-cost installation with minimal labour | |
|----------------|---|--------|
| at a glance | More flexible than coiled or wound solutions | |
| | 25% overlap for secure cable bundling | |
| | Resistant to chemicals and solvents | |
| | Halogen-free | \sim |
| | Resistant to cuts and abrasions | |
| | Retains its shape within operating | |
| | temperature range -75°C to +125°C | |

| Art. no. | Length | Version |
|----------|--------|---------|
|----------|--------|---------|

| Automatic | : Wrap | | | |
|-----------|---------------|-----------------|---|------|
| Dimension | s: diameter 2 | 2.54 cm = 1 inc | h | |
| 930.900 | 1.0 m | · Black | | 112 |
| 930.901 | 2.0 m | · Black | | 2119 |
| 930.902 | 3.0 m | · Black | | |

| | Automatic | Wrap | |
|---|-----------|-------|-------------------|
| Dimensions: diameter 5.08 cm = 2 inches | | | .08 cm = 2 inches |
| | 930.903 | 1.0 m | · Black |
| | 930.904 | 2.0 m | · Black |
| | 930.905 | 3.0 m | · Black |



Manual Wrap in colour

| The advantages | Strong Velcro fastener for frequent access | |
|----------------|---|--|
| at a glance | Can be stretched over plugs and sockets | |
| | Halogen-free | |
| | Resistant to chemicals and solvents | |
| | Melting point ~230 °C | |
| | | |

| Art. no. Version Versio |
|-------------------------|
|-------------------------|

| Manual Wrap | | | | - |
|-------------|---------------|-------------------|--|-------|
| Dimension | s: diameter (| .18 cm = 1 ¼ inch | | |
| 930.906* | 1.0 m | · Black | | 100 |
| 930.907* | 2.0 m | · Black | | 15 |
| 930.908* | 3.0 m | · Black | | |
| | | | | |
| Dimension | s: diameter (| .08 cm = 2 inches | | AND I |

| Dimensions. Glameter $3.00 \text{ cm} = 2 \text{ m}$ | | | |
|--|-------|---------------------------|--|
| 930.909* | 1.0 m | Black | |
| 930.910* | 2.0 m | Black | |
| 930.911* | 3.0 m | Black | |
| | | | |

* No storage type

Bachmann Manufacturing

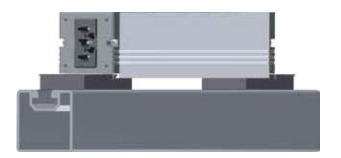
Efficient power and data distribution for manufacturing

With Bachmann manufacturing systems you can be sure of having access to the best connectors and connections wherever you are in the world. Our systems can be configured with all standard international socket outlets and data connections. Modules can be retrofitted or interchanged quickly and easily. In short, when it comes to energy and data management systems that are fit for the future, Bachmann maximises your options. Our top priority at Bachmann is a collaborative partnership with our customers. This begins with what we refer to as "customised engineering", since providing engineering services for customised solutions is as important for our international development team as continuing to develop the Bachmann range overall. The result is a long list of registered designs and patents for technical innovations and special solutions under the Bachmann brand.



| Power strips | |
|--------------------------------|------------------|
| BlueNet power management | Blu ≡ Net |
| Feed modules | |
| Compressed air units 150 | |
| ESD units | |
| STEP | |
| Automatic switch-off units 154 | |
| Tradesman's power strip 155 | |
| Fixings | |
| DESK | |
| Custom modules 158 | CUSTOM |
| Cables | |
| Lighting | |

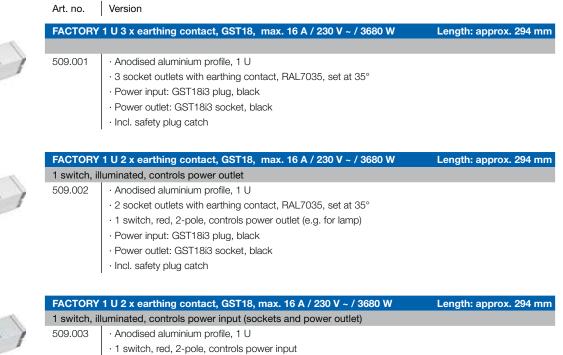
FACTORY - the professional solution



Power strips in aluminium profile, 1 U, width 44.5 mm, ideally suited for mounting on 45 mm T-slot profiles.

- Strip does not protrude over the 45-mm T-slot profile
- Can be mounted on 30, 45 or 60 mm T-slot profiles
- Can be mounted on the upright profiles of various manufacturers
- Easy to fit with specially designed mounts (ESD-capable)
- · Mains input and output based on Wieland GST18 connector system
- Strips can be linked to one another using device extension cables (see page 159)
- Power infeed direct to mains input via supply cable (see page 159) or via feed modules (see from page 149)





- \cdot 2 socket outlets with earthing contact, RAL7035, set at 35°
- · Power input: GST18i3 plug, black
- · Power outlet: GST18i3 socket, black
- · Incl. safety plug catch

Suitable mountings on page 156

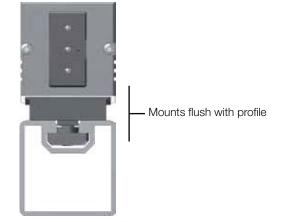


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1.7.





Max. 16A/230V~ 💮 💳

Art. no. Versio

| Art. no. | Version | | | | |
|-------------|-------------------------------|--------------------------------------|--|------------------------|--|
| FACTORY | 1 U 8 x ea | arthing contact, | GST18, max. 16 A / 230 V ~ / 3680 W L | ength: approx. 866 mm | |
| 2 switches | illuminate | ed | | | |
| 509.004 | Anodise | ed aluminium pro | ile, 1 U | | 1 = 2 2 2 2 2 2 2 2 2 2 |
| | 1 switcl | h, green, 2-pole, | controls sockets | | 200 |
| | · 8 socke | et outlets with ear | thing contact, RAL7035, set at 35°, with spacing be | etween sockets | 0.00 |
| | | | ntrols only white auxiliary outlet | | and the second s |
| | | inputs on side of | | | |
| | | input: GST18i3 pl | | | |
| | | | i3 socket, black/white | | |
| | | fety plug catch | is socket, black white | | |
| | 1101. 34 | lety plug caton | | | |
| FAOTODY | 4 11 40 | | | 4000 | |
| 2 switches. | | | :, GST18, max. 16 A / 230 V ~ / 3680 W Le | ength: approx. 1086 mm | |
| 509.005 | | ed aluminium pro | ile. 1 U | | |
| 000.000 | | h, green, 2-pole, | | | 100000000000 |
| | | | | voon oookoto | 0000 |
| | | | arth contact, RAL7035, set at 35°, with spacing betw | Ween Sockels | 0000 |
| | | - | ntrols power outlets | | |
| | | inputs on side of | | | |
| | | input: GST18i3 pl | - | | |
| | · Power | outlet: 2 x GST18 | i3 socket, black/white | | |
| | Incl. sat | fety plug catch | | | |
| | | | | | luminated rocker o control sockets |
| | | 2-pole illuminate | ed | | |
| | | rocker switch fo | r white | | |
| | | power outlet | | | |
| | | | Generous socket spacing | | |
| | | | of 42.5 mm | | |
| | | | facilitates use of various | 0 | |
| For horizor | ntal | | sizes of mains adapter | and the second | Land I |
| mounting | | | side by side | | |
| | | | 19 21 Heart | | |
| | | | 31 | | GST18i3 power input |
| | - 01 | 10 101 | 1- | | |
| 100 | 10 | I HOLDA | | | |
| 7 | | | | | |
| 1 | 1000 | | | | |
| 2 pe | E | | | | |
| | | | | | |
| | | T100 power cut | out | | |
| | | T18i3 power out peripheral device | | | |
| | 1 101 | | | | |
| Po | wer outlet, | white | | | |
| | g. for lamps | | | | |
| | | | | | |
| | | | | | |

BLUENET - spotting potential and using it

Blu=Net

Bachmann's BlueNet range creates optimal conditions for efficient power management. It makes power consumption transparent - and thus controllable - with intelligent products that help you to gather current data wherever power is consumed, and thus to spot potential energy savings - and to document and use them.

- Integrated function for measuring current, voltage, power, phase angle, frequency and total energy consumption (BlueNet Metered Plus)
- Measured values are shown on the display
- Modular construction allows configuration of PDUs to customers' specifications

| Power measurement (kW) | — 2.77 kW 230V—- | Mains voltage (V) |
|--------------------------------|------------------|-------------------|
| Frequency (Hz) | | Phase angle |
| | | |
| Phase number (P 1, 2, 3) | —P112,5A— | Current (A) |
| | | |
| Total energy consumption (kWh) | | |
| | | |
| | | |

| | Art. no. | Version | |
|---|------------|---|------------------------|
| | FACTORY | 1 U Metered BlueNet, GST18, max. 16 A / 230 V ~ / 3680 W | Length: approx. 191 mm |
| | Current me | easurement | |
| | 509.009 | Anodised aluminium profile, 1 U | |
| | | · 1 x current measurement (digital ammeter) | |
| | | · Power input: GST18i3 plug, black | |
| 1 | | · Power outlet: 2 x GST18i3 socket, black | |
| | | · Current measurement features: | |
| | | Range 0-16 A , max. current 32 A , | |
| | | Accuracy: class 1, backlit liquid crystal display | |
| | | | |
| | FAOTODV | | 1 |
| | FACTORY | 1 U Metered Plus BlueNet, GST18, max. 16 A / 230 V ~ / 3680 W | Length: approx. 191 mm |
| | Current an | d power measurement with phase angle | |

Anodised aluminium profile, 1 U
 1 x current + power measurement



4

| • Power input: GST18i3 plug, black |
|--|
| · Power outlet: 2 x GST18i3 socket, black |
| · Power measurement features: |
| backlit LCD display, precision: class 1, 1-phase, max. 16 A |
| Mains voltage (V), current (A), frequency (Hz), phase angle, |
| energy (kWh) and power (kW) measurement |

509.012

Feed modules - greater safety at the workstation

Feed module in aluminium profile, 1 U (width 44.5 mm) with protective features and 2 power outlets

- Can be used as the base unit for any power strip
- Easy to fit with specially designed mounts (ESD-capable)
- Connects to power strip via extension cable (see page 159)
- 1 x power input and 2 x power outlet in Wieland GST18 system for connecting to one or two power strips or workstations
- Integral protector unit with overvoltage protection, miniature circuit breaker or residual current device
- Feed module with built-in current and power measurement to record energy consumption of workstation

Art. no. Version FACTORY 1 U overvoltage protector with filter, GST18, max. 16 A / 230 V ~ / 3680 W Length: approx. 235 mm 509.006 · Anodised aluminium profile, 1 U · 1 overvoltage protection unit, 6.5 kA, with optical function and fail indicator; mains filter 30 MHz · Power input: GST18i3 plug, black · Power outlet: 2 x GST18i3 socket, black FACTORY 1 U miniature circuit breaker, GST18, max. 16 A / 230 V ~ / 3680 W Length: approx. 235 mm 509.007 · Anodised aluminium profile, 1 U · 1 miniature circuit breaker, 16 A , 2-pole, type B · Power input: GST18i3 plug, black · Power outlet: 2 x GST18i3 socket, black FACTORY 1 U residual current device* (RCD), GST18, max. 16 A / 230 V ~ / 3680 W Length: approx. 235 mm

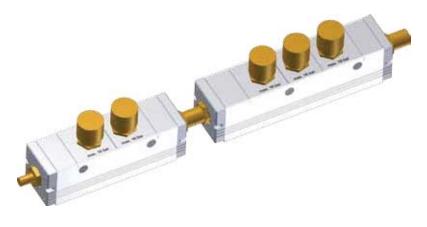
509.008 · Anodised aluminium profile, 1 U

- · 1 residual current device, 16 A , tripping current 10 mA, response time 30 ms, 2-pole
- · Power input: GST18i3 plug, black
- · Power outlet: 2 x GST18i3 socket, black

* Since 1 February 2009 all mains circuits supplying power sockets that are used by people other than electrical technicians must contain a RCD. Indoor use: up to 20 A / Outdoor use: up to 32 A



COMPRESSED AIR - everything in one system



Aluminium profile, 1 U (width 44.5 mm) with standard compressed-air outlets for up to 16 bar

- Simple to fit with specially designed mountings
- Standard compressed air outlets, nominal diameter 7
- Infeed and onward supply via nominal diameter 5
- Strips can be linked to one another directly or via a connecting hose
- Other nominal diameters and configurations are available on request

| FACTORY | 1 U, 2 x compressed air outlets, max. 16 bar | Length: approx. 147 mm |
|-------------|---|------------------------|
| 509.010 | Anodised aluminium profile, 1 U 2 compressed air outlets (NW7 coupling) Compressed air inlet via NW5 connector Compressed air outlet via NW5 coupler | |
| FACTORY | ′ 1 U, 3 x compressed air outlets, max. 16 bar | Length: approx. 187 mm |
| | | |

Compressed air

Ordinary air is forced via compressors to a higher pressure and can be used to drive a variety of equipment. Bachmann FACTORY compressed air units distribute the compressed air to two or three access points for end-use devices (screwdrivers,

compressed-air guns etc.). Each compressed air unit also has a compressed air outlet, allowing more than one unit to be used in combination.

ESD - all-round protection

Aluminium profile, 1 U (width 44.5 mm) with standard ESD connectors

- Simple to fit with specially designed mountings (ESD-capable)
- Integrates simply into ESD design of workstation via standard plug connectors and so can be used as **EBP (earth bonding point)**
- Other nominal diameters and configurations are available on request



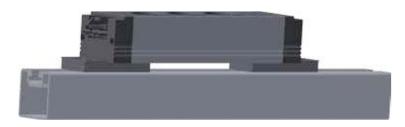
| Art. no. | Version | |
|----------|---|--------------------------|
| FACTORY | (1 U 3 x ESD 10 ohm | Length: approx. 104.5 mm |
| 509.013 | Anodised aluminium profile, 1 U 2 x ESD snap connector sockets, 10 mm, 10 ohm Input: 3 m cable, green/yellow with M4 ring termination | |
| FACTORY | (1 U 3 x ESD 10 ohm | Length: approx. 147 mm |
| 509.014 | Anodised aluminium profile, 1 U 3 x ESD snap connector socket, 10 mm, 10 ohm Input: 3 m cable, green/yellow with M4 ring termination | |

ESD

ESD is the abbreviation for electrostatic discharge, which occurs when two bodies at different electrical potentials come into to contact and their charges equalise. Electrostatic charges are created when two different materials are rubbed together or are separated from one another. Examples include: walking on plastic floors, rubbing against synthetic clothing, moving plastic containers, unrolling adhesive PVC tapes or moving conveyor belts. In modern workspaces static charges can create high static voltages. Charges of above 10 kV are not uncommon. Where air humidity is below 20 %, values of 30 kV have been recorded.

Manufacturing

STEP - the low-cost alternative





Power strips in plastic or aluminium profile (width 52 mm) for a simple modular electrification system.

- · Compact dimensions and robust housing
- Can be mounted on T-slot profiles and the upright profiles of various manufacturers
- Easy to fit with specially designed mounts (ESD-capable)
- Mains input and output based on Wieland GST18 connector system
- Strips can optionally be fitted with modules (from page 149)
- Strips can be linked to one another using device extension cables (see page 159)
- Power infeed direct to mains input via supply cable (see page 159) or via feed modules (see from page 149)



Art. no. Version

| 336.600 | · Light-grey plastic profile, socket outlets black | |
|---------|---|----------------------|
| | \cdot 3 x socket outlets with earthing contact, set at 35° | |
| | Power input: GST18i3 plug, black | |
| | · Power outlet: GST18i3 socket, black · Incl. safety plug catch | |
| | Incl. safety plug catch | |
| | | |
| STEP BA | SE 3 x earthing contact, red, GST18, max. 16 A / 230 V ~ / 3680 W | Length: approx. 22 |
| | | |
| | | |
| 336.601 | Light-grey plastic profile, socket outlets red | |
| 336.601 | Light-grey plastic profile, socket outlets red 3 socket outlets with earthing contact, set at 35° | |
| 336.601 | | |
| 336.601 | · 3 socket outlets with earthing contact, set at 35° · Power input: GST18i3 plug, black · Power outlet: GST18i3 socket, black | |
| 336.601 | · 3 socket outlets with earthing contact, set at 35° · Power input: GST18i3 plug, black | |
| 336.601 | · 3 socket outlets with earthing contact, set at 35° · Power input: GST18i3 plug, black · Power outlet: GST18i3 socket, black | |
| | 3 socket outlets with earthing contact, set at 35° Power input: GST18i3 plug, black Power outlet: GST18i3 socket, black Incl. safety plug catch | Lanathu opprov. 262 |
| | · 3 socket outlets with earthing contact, set at 35° · Power input: GST18i3 plug, black · Power outlet: GST18i3 socket, black | Length: approx. 262 |
| STEP BA | 3 socket outlets with earthing contact, set at 35° Power input: GST18i3 plug, black Power outlet: GST18i3 socket, black Incl. safety plug catch SE 4 x earthing contact, GST18, max. 16 A / 230 V ~ / 3680 W | Length: approx. 262. |
| | 3 socket outlets with earthing contact, set at 35° Power input: GST18i3 plug, black Power outlet: GST18i3 socket, black Incl. safety plug catch | Length: approx. 262 |

- · Power input: GST18i3 plug, black
- · Power outlet: GST18i3 socket, black
- \cdot Incl. safety plug catch

2222

💮 Max. 16A/230V~ 💮 🛛

| Art. no. | Version | |
|------------|--|--------------------------|
| STEP ALL | I 1 x switch, 3 x earthing contact, GST18, max. 16 A / 230 V ~ / 3680 W | Length: approx. 262.5 mm |
| 1 x switch | , controls sockets only | |
| 906.003 | Anodised aluminium profile, socket outlets black 1 switch, green, 2-pole, illuminated, switches sockets only (not power outlets) | tlet) |
| | · 3 socket outlets with earthing contact, set at 35° | |
| | · Power input: GST18i3 plug, black | |
| | · Power outlet: GST18i3 socket, black | |
| | Incl. safety plug catch | |
| | I 1 x switch, 3 x earthing contact, GST18, max. 16 A / 230 V ~ / 3680 W , controls power input (sockets and power outlet) | Length: approx. 262.5 mm |
| 906.031 | Anodised aluminium profile, socket outlets black | |
| 0001001 | · 1 switch, green, 2-pole, illuminated, controls power input | |
| | · 3 socket outlets with earthing contact, set at 35° | |
| | · Power input: GST18i3 plug, black | |
| | · Power outlet: GST18i3 socket, black | |
| | Incl. safety plug catch | |
| | | |
| STEP ALL | J, GST18, max. 16 A / 230 V ~ / 3680 W | Length: approx. 220 mm |
| 1 x custor | n module | |
| 906.000 | · 1 anodised aluminium profile, 1 U | |
| | | |

- \cdot 3 socket outlets with earthing contact, set at 35°
- · 1 custom module cover, blank
- · Power input: GST18i3 plug, black
- · Power outlet: GST18i3 socket, black
- · Incl. safety plug catch

STEP ALU, GST18, max. 16 A / 230 V ~ / 3680 W Length: approx. 220 mm Overvoltage protection 336.004 \cdot Anodised aluminium profile, 1 U \cdot 1 overvoltage protection unit, 6.5 kA, with function and fail indicator; mains filter 30 MHz · Power input: GST18i3 plug, black · Power outlet: GST18i3 socket, black · Incl. safety plug catch STEP ALU, GST18, max. 16 A / 230 V ~ / 3680 W Length: approx. 220 mm

| uit breaker, 16 A | |
|--|---|
| Anodised aluminium profile, 1 U | at the |
| 1 miniature circuit breaker, 16 A , 2-pole, type B | 1 |
| Power input: GST18i3 plug, black | |
| Power outlet: GST18i3 socket, black | |
| Incl. safety plug catch | - |
| | 1 miniature circuit breaker, 16 A , 2-pole, type B Power input: GST18i3 plug, black Power outlet: GST18i3 socket, black |

| STEP ALU | , GST18, max. 16 A / 230 V ~ / 3680 W | Length: approx. 220 mm |
|-------------|--|------------------------|
| Residual cu | urrent device, 16 A , 10 mA | |
| 906.067 | · Anodised aluminium profile, socket outlets black | |
| | · 1 residual current device, 16 A , tripping current 10 mA, response time 30 | ms, 2-pole |
| | · Power input: GST18i3 plug, black | |

- Power input: GST18i3 plug, black
- \cdot Power outlet: GST18i3 socket, black
- \cdot Incl. safety plug catch







СИЗТОМ

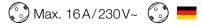




AUTOMATIC SWITCHOFF - save power automatically



The Bachmann automatic switchoff unit allows efficient savings in power consumption without major wiring outlay when equipment is not in use. No longer is the proper shutdown of equipment left to chance; now power is conserved when consumption falls below a defined threshold. The effectiveness of this system exceeds the savings possible with master-and-slave power strips, since practically no standby current is drawn by the master device and power consumption during non-use hours is exactly zero. The automatic switchoff device thus saves some 70 euros annually in standby power.

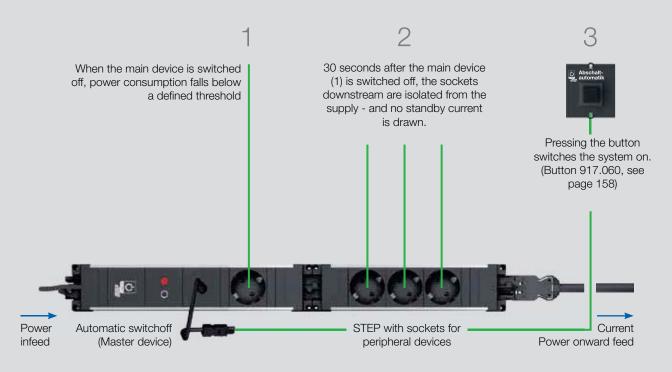


Art. no. Version



| STEP ALU | , automatic switchoff, GST18, max. 16 A / 230 V ~ / 3680 W | Length: approx. 263 mm |
|----------|--|------------------------|
| | | |
| 906.005 | · Anodised aluminium profile, 1 U | |
| | 1 automatic switchoff unit with adjustable threshold | |
| | · Power input: GST18i3 plug, black | |
| | · Power outlet: GST18i3 socket, black | |
| | Incl. safety plug catch | |
| | | |

How the automatic switchoff works



Tradesman's strips: robust professional quality

- Separate earth conductor of up to 4 mm² connects directly
- Easily accessible terminal to allow other conductor lengths to be connected
- End caps with additional screw holes for mounting on different profiles (T-slot or upright)
- Outlet sockets set at 90° with 15 mm additional spacing ideal for mains plugs with large housings
- 2.0 m cable, H05VV-F 3G 1.50 mm² with right-angle earthed plug

| Art. no. Tradesma | Version | |
|----------------------|---|------|
| Without sw | | |
| 300.000 | 6 socket outlets with earthing contact, set at 90° | · |
| 300.001 | 9 socket outlets with earthing contact, set at 90° | |
| 300.002 | 12 socket outlets with earthing contact, set at 90° | 99 |
| With switcl | n, 2-pole, green, illuminated | 0.9 |
| 300.003 | 6 socket outlets with earthing contact, set at 90° | 134 |
| 300.004 | \cdot 9 socket outlets with earthing contact, set at 90° | 1 cm |
| 300.005 | 12 socket outlets with earthing contact, set at 90° | - |

Power strip for horizontal mounting

- Combination of sockets and various custom modules (see page 158)
- Can be mounted on T-slot profiles and upright profiles of various manufacturers with the metal mounting brackets provided, but fully insulated from the socket profile (ESD-capable)
- Power infeed direct to mains input via supply cable (see page 159) or via feed modules (see from page 149)

Art. no. Version

| 906.039 | · Anodised aluminium profile, >1 U | Length: approx. 920 mm CUSTOM |
|---------|---|-------------------------------|
| | · 1 switch, green, 2-pole, controls sockets | |
| | · 3 socket outlets with earthing contact, black, set at 35° | |
| | · 5 custom module covers, blank | |
| | · 3 socket outlets with earthing contact, black, set at 35° | 3 3 3 |
| | · 1 switch, red, 2-pole, controls power outlet | A A A A A A A A A A A |
| | Power input: GST18i3 plug, black | and the the last |
| | Incl. safety plug catch | |

TWIN: for workstations requiring a large number of sockets

- Compact dimensions thanks to arrangement of sockets on 2 profile tracks
- Can be mounted on T-slot profiles and upright profiles of various manufacturers with the metal mounting brackets provided, but fully insulated from the socket profile (ESD-capable)
- Strips can optionally be fitted with data or media technology modules (from page 158)
- Power infeed direct to mains input via supply cable (see page 159) or via feed modules (see from page 149)

Art. no. Version

| Universal | ALU, 10 x earthed socket, max. 16 A / 230 V ~ / 3680 W | Length: approx. 366 mm CUSTOM |
|-----------|---|-------------------------------|
| 922.014 | Anodised aluminium profile, >1 U | |
| | · 2 x 5 socket outlets with earthing contact, set at 35° | _ |
| | · 2 custom module covers, blank | |
| | • Power input: 0.1 m H05VV-F 3G 1.50 mm ² black, with GST18i3 plug | |
| | Incl. 4 mounting brackets 940.096 (see page 144) | |
| | | |

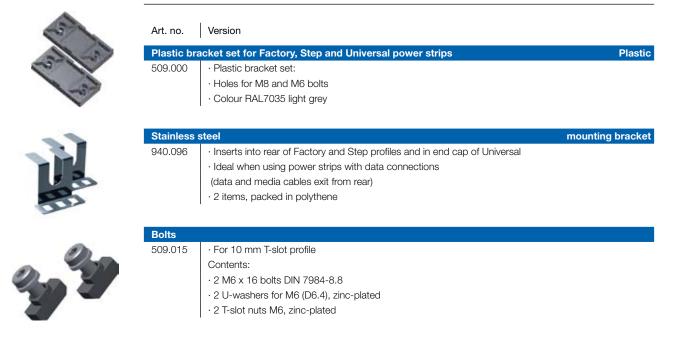
Fixings - suitable for all systems

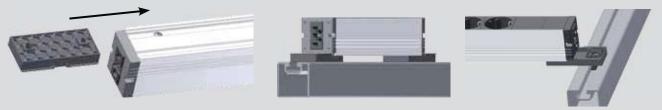


Mountings for the FACTORY and STEP ranges of power strip onto T-slot profiles, upright profiles and tabletops.

- ESD-compatible mountings
- Simple to fit, can be flexibly swapped
- Use standard M8 or M6 screws and ordinary tools

Fixing accessories for Bachmann PDUs



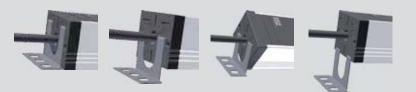


Plastic brackets allow versatile mounting on T-slot or upright profiles. The brackets are inserted into the profile groove on the rear of the strip. Suitable for power strips in the FACTORY and STEP series.



Use of brackets with STEP power strips, 36 mm in height.

No ESD capability specified.



Use of bracket with UNIVERSAL power strips. The bracket simply slots into the UNIVERSAL end cap and can be fixed in various positions.

DESK - versatile tabletop power strip

DESK power strips as tabletop units for workstations, letting you combine power outlets with data and media technology modules

- Combine power outlets with data and media modules
- Sockets and power outlets can be switched off to save energy
- Mounts on tabletop workstations with screws or brackets (available separately)
- Strips can optionally be fitted with data or media technology modules (see from page 158)
- Power infeed direct to mains input via supply cable (see page 159) or via feed modules (see from page 149)





22211

Max. 16A/230V~

Art. no. Version

902.017

| 339.1001 | · Anodised aluminium profile, socket outlets black | | 3.92 |
|----------|---|--------------|------|
| | · 1 switch, green, 2-pole, illuminated, controls sockets | | |
| | · 3 socket outlets with earthing contact, set at 35° | | - |
| | Power input: 3.0 m H05W-F 3G 1.50 mm ² black, with right-angle e | earthed plug | |
| | · incl. standard brackets | | • |

· Anodised aluminium profile, socket outlets black

- \cdot 1 switch, green, 2-pole, illuminated, controls sockets and power outlet
- \cdot 3 socket outlets with earthing contact, set at 35°
- · 1 custom module cover, blank
- · Power input: GST18i3 plug, black
- · Power outlet: GST18i3 socket, black
- · Brackets not included (available separately)

| 2 x custor | n module | | | | |
|------------|--|------------------|---------------------|-------------|---------|
| 902.018 | · Anodised aluminium profile, socket outlets black | | | | |
| | · 1 switch, green, 2-pole, illuminated, controls sockets | and power outlet | | | Non- |
| | \cdot 3 socket outlets with earthing contact, set at 35° | | | | and the |
| | · 2 custom module covers, blank | | | | |
| | · Power input: GST18i3 plug, black | | | 100 | |
| | · Power outlet: GST18i3 socket, black | | | | |
| | · Brackets not included (available separately) | | | | |
| | | | | | |
| DESK sta | ndard brackets | for tabletop | thicknesses up to 5 | 0 mm | |
| | · Anodised aluminium, thickness approx. 9 mm | | | | 11 m |
| 30.120 | | | | | |
| 30.120 | Contents: | | | | |
| 930.120 | Contents: · 2 support brackets, anodised aluminium | | | Training of | |

for tabletop thicknesses over 15 mm

DESK end cap screws

930.183 · 2 Spax screws, 5 x 90 mm incl. brass threaded sleeve



Custom modules for networks, media and programming

Bachmann custom modules are the central building blocks for network, media or programming connections, and fit easily and flexibly into power strip units with custom module covers.



- Flexibly interchangeable modules
- Simple to connect using socket/socket versions and connecting cables
- Can be purchased as a kit
- Can be fitted or replaced later
- Warranty is not affected by fitting/replacement since each frame is insulated separately
- Screws and frames are designed for approx. 10 bolting cycles
- Bolts = Torx T6 For other versions see page 66



Module 2 x keystone 917.000

Art. no.

· Module, black, accepts 2 data sockets with keystone fitting



Module 1 x keystone 917.001

· Module, black, accepts 1 data socket with keystone fitting



OWG-LC duplex keystone 918.071

- OWG-LC duplex coupler
- · Keystone fixing
- Suitable for modules 917.000 and 917.001



OWG-SC keystone 918.072

- · OWG-SC coupler
- · Keystone fixing
- Suitable for modules 917.000 and 917.001



PS2 mouse + keyboard 917.031

917.060

- Front: PS2 MiniDin socket
- (mint green for mouse and lilac for keyboard)
- · Rear: PS2 MiniDin socket
- (mint green for mouse and lilac for keyboard)



Button for automatic switchoff

- Front: Button, black, for automatic switchoff unit
- · Rear: 1.0 m H05W-F 2 x 0.75 mm² black with Wieland GST 15i2 connector
- · Use in any socket unit with custom modules



Front + rear: 9-pole RS232 socket

Art. no.

CAT6 coupling socket/socket

- 940.044 · Type: BTR E-DAT
- · Front: RJ45 (keystone fixing)
- · Rear: RJ45 (E-DAT mounting)
- Shielded
- Suitable for modules 917.000 and 917.001

CAT5e coupling socket/socket 940.057

- · Front: RJ45 (keystone fixing)
- · Rear: RJ45 (keystone fixing)
- Shielded
- · Suitable for modules 917.000 and 917.001

ISDN RJ12 socket/socket

940.085

- · Front: RJ 12 (keystone fixing)
- · Rear: RJ 12 (keystone fixing)
- · Unshielded
- · Suitable for modules 917.000 and 917.001



CAT6a 10 GB patch cable plug/socket 3.0 m 918.033

- · Front: Socket RJ45 CAT6a TKM 10 GB
- · Cable, black, with RJ45 plug
- · Shielded
- Suitable for modules 917.000 and 917.001

BNC R/G/B

- 917.090
- Front + rear: BNC R/G/B socket

BS232 917.012

Supply cables and distributors

For supplying or linking multiple power strips we offer cables featuring the Wieland GST18 connectors that are used worldwide.

- Prefabricated cables in various lengths
- Plug connectors conforming to world standards, contact-protected
- With mandatory latching to power strips
- Connect to power strips without tools
- Can subsequently be removed

Length

With extra earth connection375.1152.0 m

3.0 m

5.0 m

Art. no.

375.115 375.116

375.117

Multipliers

375.101

375.102

375.105

375.106

For power distribution

1 x input, 1 x outlet (1)

1 x input, 2 x outlet (2)

1 x input, 3 x outlet (3)

Through-wired for 3-phase power, 5 and 3-pole

1 x input, 1+6 x outlet

• Power input can be earthed via the separate earthing connection on device supply cables 375.115 – 375.117

· Cable: H05VV-F 3G 1.50 mm²

with M6 ring terminal

· End 1: Right angle plug with earthing contact





| Device supply | , cable. | GST18/earthing | contact |
|---------------|----------|----------------|---------|
| | | | |

Device supply cable, GST18/earthing contact

Version

| 375.000 | 1.5 m | · Cable: H05VV-F 3G 1.50 mm ² | |
|---------|--|---|--|
| 375.075 | 2.0 m | End 1: Right angle plug with earthing contact | |
| 375.003 | 3.0 m | · End 2: Wieland GST18i3 socket | |
| 375.005 | 4.0 m | | |
| 375.007 | 5.0 m | | |
| 375.039 | 10.0 m | | |
| | 375.075 375.003 375.005 375.007 | 375.075 2.0 m 375.003 3.0 m 375.005 4.0 m 375.007 5.0 m | 375.0752.0 m· End 1: Right angle plug with earthing contact375.0033.0 m· End 2: Wieland GST18i3 socket375.0054.0 m375.0075.0 m |

· Input: 3-pole plug

· Output: 3-pole socket

Input: 1 x plug, 5-pole
Output: 1 x socket, 5-pole

6 x 3-pole socket per outer conductor

· End 2: Wieland GST18i3 socket with 0.3 m 2.5 mm² green/yellow,

Device extension cable, GST18/GST18

| 375.050 | 0.3 m | · Cable: H05VV-F 3G 1.50 mm ² |
|---------|-------|--|
| 375.053 | 1.0 m | End 1: Wieland GST18i3 plug |
| 375.038 | 2.0 m | End 2: Wieland GST18i3 socket |
| 375.055 | 3.0 m | |
| | | |

| Tapping ca | Tapping cable, GST18/earthing contact coupling | | | | |
|--------------------------|--|---|--|--|--|
| Extends length from - to | | | | | |
| 375.097 | 0.5-2.5 m | · Spiral device extension cable | | | |
| 375.098 | 1.0-5.0 m | · Cable: H07BQ-F 3G 1.50 mm ² orange | | | |
| | | · End 1: Wieland GST18i3 plug | | | |
| | | · End 2: Earth contact coupling, black | | | |
| | | | | | |





| The second second | |
|-------------------|--|
| | |

| Coupler | | |
|-------------|----------------------|---|
| No interloc | k | |
| 375.500 | GST input/GST outlet | · For simple connecting of e.g. two Factory |
| | | power strips |

FACTORY LIGHT – good light for assembly workstations

Good lighting facilitates productivity and wellbeing. To meet the particular lighting requirements of assembly workstations, our collaboration with Siteco has developed highly specific lamp systems. These lamp types, for mounting horizontally above the work area or vertically on an upright profile, create bright light over a wide area of the workstation. Depending on specific requirements the lamps may be used singly or in combination. The outrigger lamp, for fitting to a vertical upright profile (770.000) can also be rotated and swivelled, allowing adjustment of the beam angle to the specific needs of the employees and the task. It offers the best conditions for absolutely glare-free light, facilitating efficient work and low fatigue levels. Both models use fluorescent light sources, anodised louvres and electronic ballast units to offer maximum effectiveness and maximum energy savings.

| | Art. no. | Version | |
|---------------|----------------------|--|---|
| | SITECO a | ssembly area outrigger lamp | Length: 610 mm, width: 125 mm |
| | 770.000 | Lamp in aluminium profile, RAL9006, matt Incl. 1 x TC-L 36W / 840 light source Electronic ballast to minimise power loss Aluminium specular louvre, satin anodised, for high lighting constrained in the second sec | |
| Outrigger | SITECO as 770.001 | Seembly area horizontal mounting lamp Length: 899 mm, wic Lamp in aluminium profile, RAL9006, matt Incl. 1 x T16 39W / 840 light source Electronic ballast to minimise power loss | ith 87 mm (incl. fixing bracket 126 mm) |
| STREET STREET | | Aluminium specular louvre, satin anodised, for high lighting co CRF (contrast rendering factor) louvre to avoid reflected glare Mounts on horizontal roof section Can be mounted without opening lamp GST 18/3 power input + power output with 3-pole through w | |
| | - | 3 | |

Note

These lamps should be operated via BACHMANN FACTORY power strips with switched power outlets (see pages 146) or any other external switch. They have no built-in switch of their own.

Eulumdat data is available on request.

FACTORY SPOTLIGHT - light exactly where you need it

There are certain situations in which a particularly high brightness of light on the workpiece is essential. The LED flexible arm lamp (770.002) allows you to match the light intensity and angle of illumination quickly and flexibly to any work situation. The high-quality flexible tube allows quick and precise positioning of the lamp head. Thanks to the use of LEDs this remains considerably cooler than a 20 W halogen lamp, yet is brighter than a 35 W halogen lamp. Where there is a particular need for illumination of a specific area, our LED flexible arm lamp forms the ideal complement to wide-area workplace illumination (see FACTORY LIGHT 770.000 + 770.001).

Art. no. Version Flexible-arm LED lamp for assembly areas 770.002 • High-performance lamp head with 3 x 3 W POWER LED, cool white, 30° beam angle • Up to 60 000 operating hours (designed for continuous use) • Illuminance 5000 lux at distance of 0.5 m • Luminous flux 600 lumens • Lamp head IP 64 protected (against dust and splashwater) • Special mounting bracket for fitting to T-slot profiles of various manufacturers • External LED operating unit (IP 20) with GST 18/3 power connection • Flexible arm length 500 mm, lamp head diameter 75 mm

Cost comparison of LED lamp with conventional lighting

| Туре | LED lamp | Incandescent lamp | Halogen lamp |
|--|----------|-------------------|---------------|
| Acquisition costs of lamp in € | 360.00 | 150.00 | 250.00 |
| Cost of illuminant, each, in € | - | 1.50 | 4.00 |
| Lifetime of illuminant, hours | 60 000 | approx. 1000 | approx. 2,000 |
| Power consumption | 9 W | 60 W | 20 W |
| Illuminant costs after 60 000 operating hours, in € | - | 90.00 | 120.00 |
| Energy consumption after 60 000 operating hours, in kWh | 540 | 3600 | 1200 |
| Costs (approx. 0.20 €/kWh) | 108.00 | 720.00 | 240.00 |
| Total costs after 60 000 operating hours, in € | 468.00 | 960.00 | 610.00 |

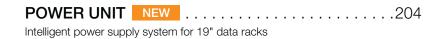
Calculated for 60 000 operating hours

IT power distribution

INTRODUCTION / APPLICATION EXAMPLES164











IT POWER DISTRIBUTION

Systematic Bachmann IT power distribution

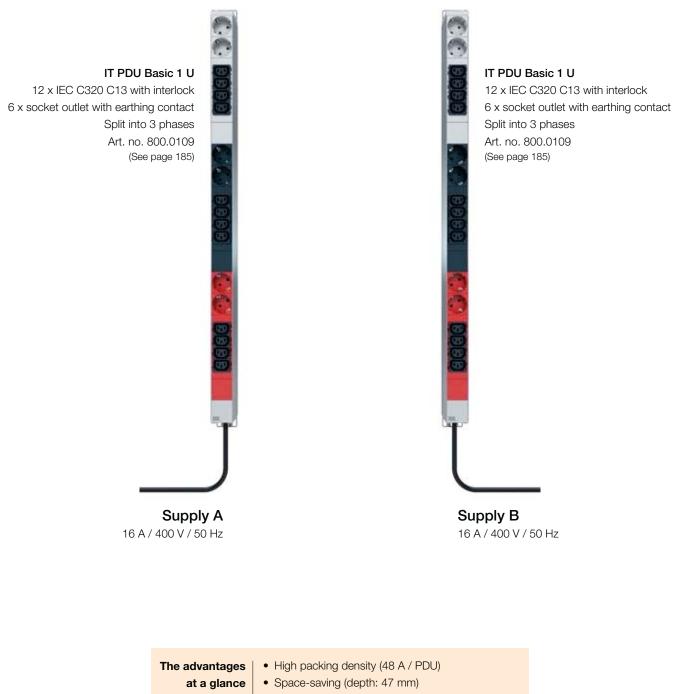
Forty years of experience in developing, manufacturing and distributing power distribution solutions. True to this history, BACHMANN is synonymous with high-quality and innovative electronics and high measurement accuracy, packaged in extremely robust aluminium housings.

We provide solutions in IT energy distribution. Our intelligent and modular product range provides great peace of mind. The PDU Basic power distribution unit and Bachmann's BlueNet products meet all key requirements for future-proofed, highly efficient energy distribution, especially for data centres.

Bachmann power distribution provides various solutions for this sector:

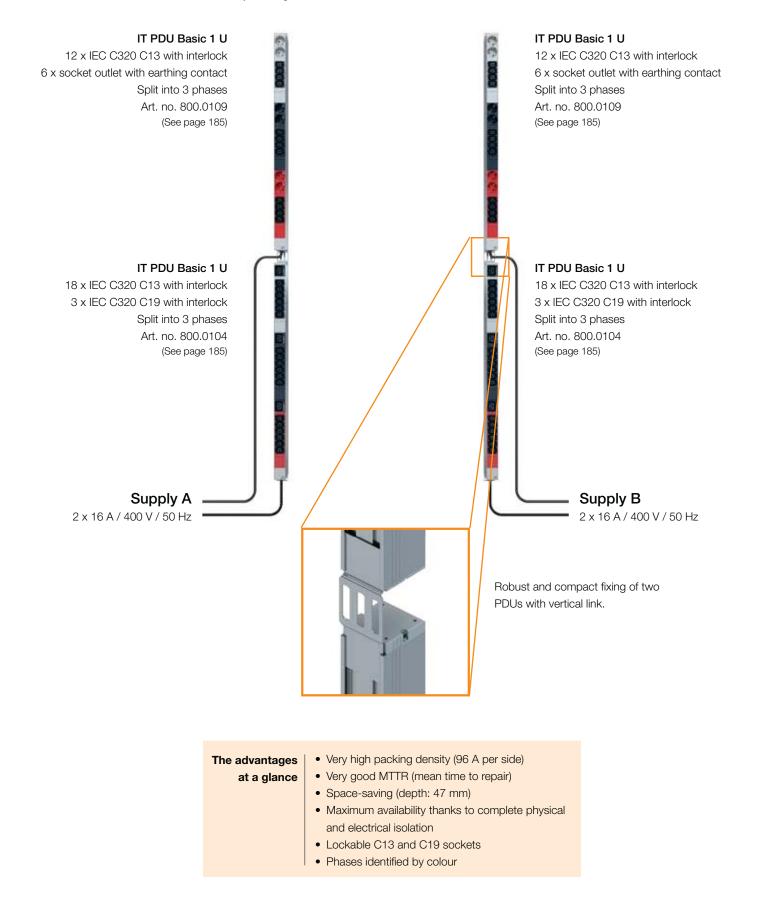
- New and intelligent energy distribution systems
- Upgrading of existing energy distribution systems
- Combination of existing PDUs and Bachmann power distribution products

SAMPLE RACK CONFIGURATION

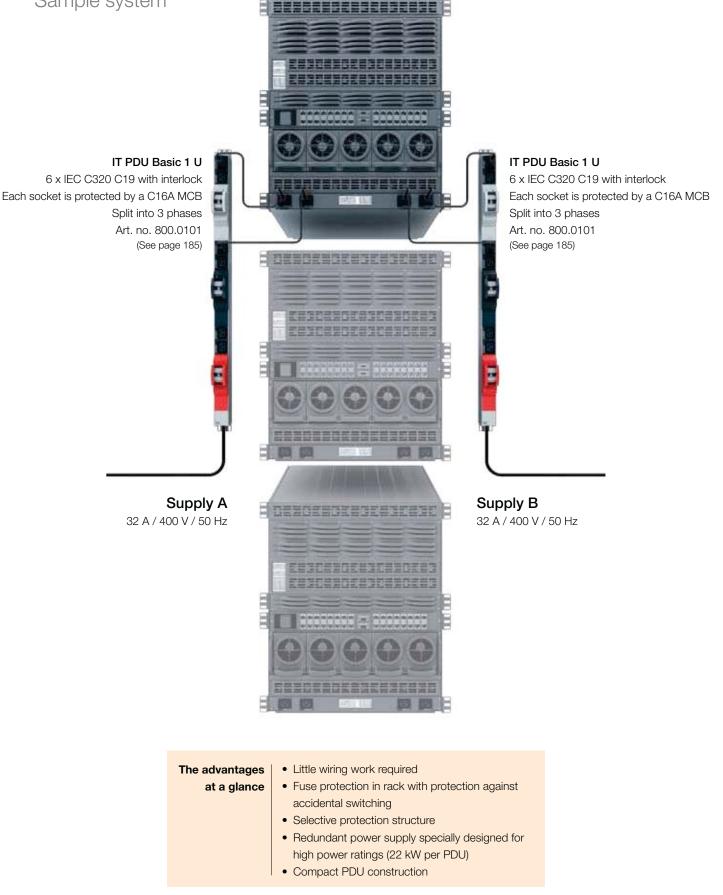


- Also fits in small racks
- Good availability (N +1 redundancy)
- C13 lockable sockets
- Phases identified by colour

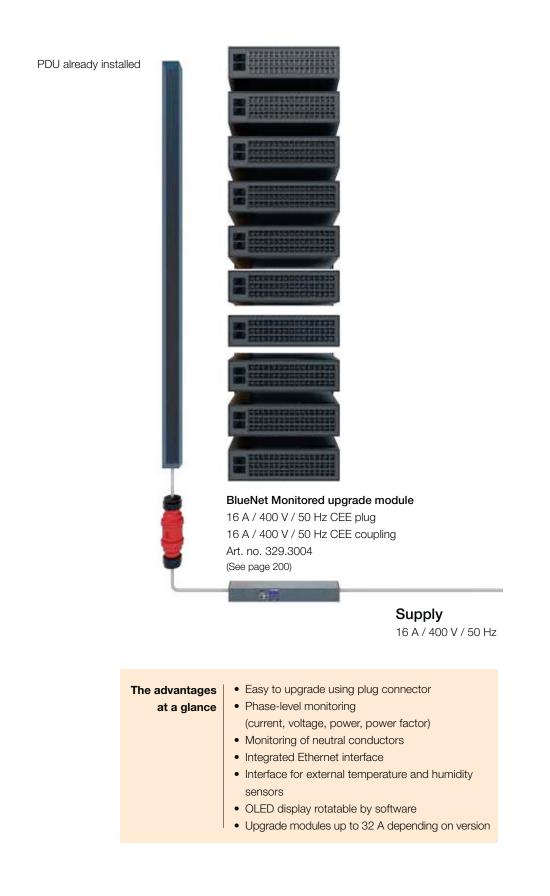
SAMPLE RACK CONFIGURATION



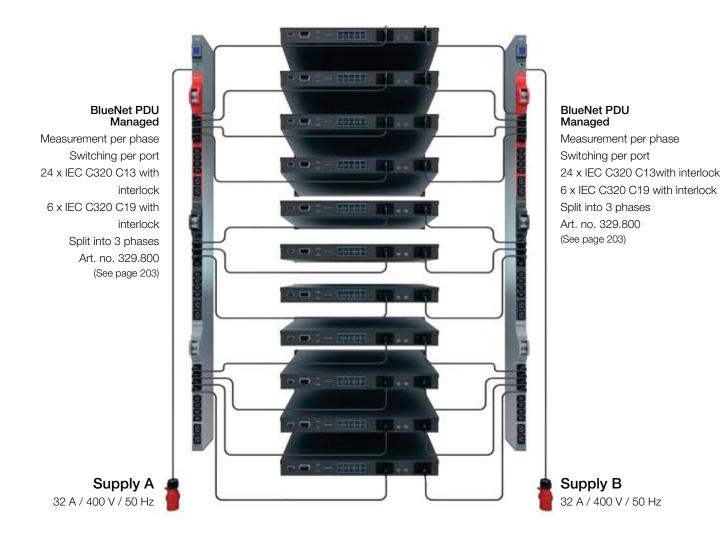
BLADE CENTER RACK



UPGRADE SOLUTION

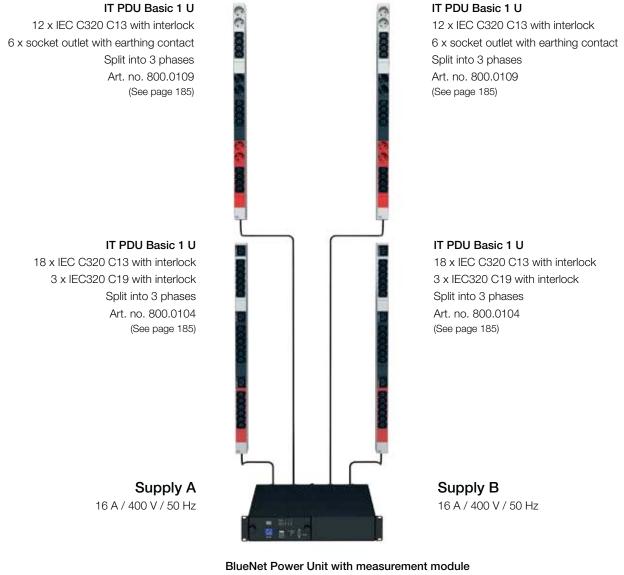


INTELLIGENT PDU CONCEPT



| The advantages | System with N + 1 redundancy | |
|----------------|---|--|
| at a glance | Very high packing density (96 A per side) | |
| | Integrated measurement of current, voltage, | |
| | frequency, power factor, effective power and energy | |
| | Switching per socket outlet | |
| | MCBs split 32 A per phase over two | |
| | blocks of 16 A each | |
| | Integrated Ethernet interface | |

Sample system



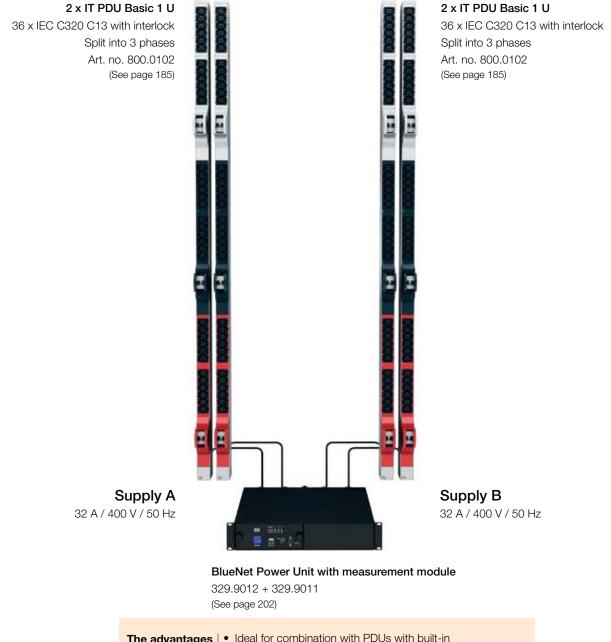
BlueNet Power Unit with measuremen 329.9008 + 329.9011

(See page 202)

| The advantages at a glance | | |
|-------------------------------|---|--|
| at a giance | | |
| | Measurement module can be swapped during | |
| | operation (plug-and-play) Integrated power metering | |
| | Ethernet interface with integral web server | |
| | Excellent value for money | |
| | Modest space requirement (2 U) | |



- Excellent value for money
- Modest space requirement (2 U)



| The advantages | Ideal for combination with PDUs with built-in | | |
|----------------|---|--|--|
| at a glance | MCB C16 A circuit breakers | | |
| | Cabling and installation kept to a minimum with | | |
| | 400 V / 32 A supply cables | | |
| | • Two galvanically isolated infeeds, 400 V / 32 A / 50 Hz each | | |
| | Up to four multiple-socket outlets can be connected | | |
| | Measurement module can be swapped during operation | | |
| | (plug-and-play) | | |
| | Integrated power metering | | |
| | Ethernet interface with integral web server | | |
| | Excellent value for money | | |
| | Modest space requirement (2 U) | | |
| | | | |

Sample system

IT PDU Basic 1 U 6 x IEC C320 C19 with interlock Split into 3 phases Art. no. 800.0111 (See page 185) Supply A 16 A / 400 V / 50 Hz

IT PDU Basic 1 U

6 x IEC C320 C19 with interlock Split into 3 phases Art. no. 800.0111 (See page 185)

Supply B 16 A / 400 V / 50 Hz

BlueNet Power Unit with measurement module

329.9013 + 329.9011 (See page 202)

| The advantages | Ideal for combination with blade PDUs | |
|----------------|---|--|
| at a glance | • Two galvanically isolated infeeds, 400 V / 16 A / 50 Hz each | |
| | Up to four multiple-socket outlets can be connected | |
| | Measurement module can be swapped during operation | |
| | (plug-and-play) | |
| | Integrated power metering | |
| | Ethernet interface with integral web server | |
| | Excellent value for money | |
| | Modest space requirement (2 U) | |

MODULAR POWER DISTRIBUTION FOR BLADE CENTER

Sample system



BlueNet Power Unit with measurement module Art. no. 329.9015 and 329.9010 (See page 205)

> **Supply A** 16 A / 400 V / 50 Hz



BlueNet Power Unit with measurement module

Art. no. 329.9015 and 329.9010 (See page 205)

Supply B 16 A / 400 V / 50 Hz

BlueNet Power Unit with measurement module Art. no. 329.9015 and 329.9010 (See page 205)

> **Supply A** 16 A / 400 V / 50 Hz

BlueNet Power Unit with measurement module Art. no. 329.9015 and 329.9010 (See page 205)

Supply B 16 A / 400 V / 50 Hz

| The advantages at a glance |
|----------------------------|
| at a glance |

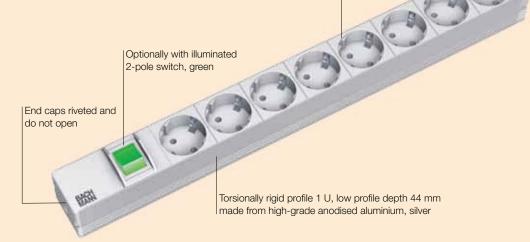
- Up to four consumers can be directly connected via C19 plugs
 Ideal for combination with blade PDUs or a smaller number of servers in the rack
- Two galvanically isolated C20 infeeds, 400 V / 16 A / 50 Hz each
- Measurement module can be swapped during operation (plug-and-play)
- Integrated power metering
- Ethernet interface with integral web server
- Excellent value for money
- Modest space requirement (2 U)



IT PDU 1 U

19" IT PDU Basic (230 V / 50 Hz)

- \cdot Power supply for 19" data racks
- \cdot Universal bracket for mounting in 19" data rack
- \cdot Flexible positioning in rack, on rear panel and vertically on housing frame
- \cdot Various country-specific designs available as standard
- \cdot Various socket outlet colours available on request



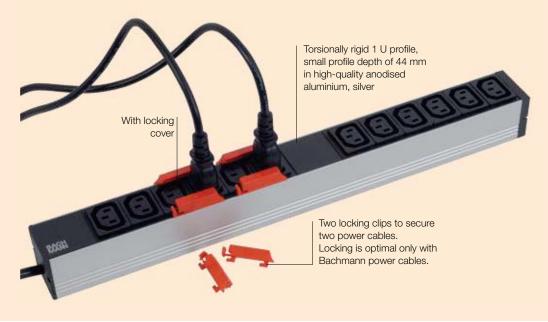
Modular design

of socket outlets

IEC LOCKABLE

19" IT PDU Basic (230 V / 50 Hz)

- · Power supply for 19" data racks with lockable IEC socket outlets
- · Locking clips to prevent accidental disconnection
- · Various socket outlet colours available on request



Mounting brackets included with all PDUs.

OVERVOLTAGE PROTECTION

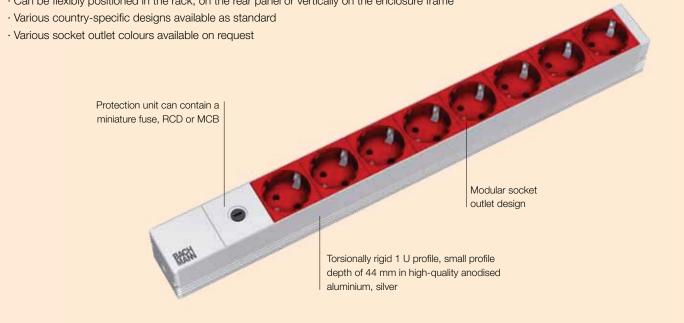
19" IT PDU Basic (230 V / 50 Hz)

- · Power supply for 19" data racks with built-in protection functions
- · Overvoltage protection against current peaks on a 230 V mains power supply
- · Mains and frequency filters to attenuate high-frequency interference
- (symmetrical and asymmetrical) · Various socket outlet colours available on request 1:9:9:9:9 Overvoltage protection 6.5 kA, to DIN EN 61643-11:08-2007 Optionally with illuminated 2-pole switch, green End caps riveted and do not open Torsionally rigid 1 U profile, small profile depth of 44 mm in high-quality anodised aluminium, silver Mains and frequency filters Function and fail indicator

PROTECTION

19" IT PDU Basic (230 V / 50 Hz)

- · Power supply for 19" data racks with built-in fuses
- · Universal bracket for mounting in 19" data rack
- · Can be flexibly positioned in the rack, on the rear panel or vertically on the enclosure frame
- \cdot Various country-specific designs available as standard
- · Various socket outlet colours available on request





IT PDU BASIC 1 U Power distribution units 230 V / 50 Hz

With its IT-PDU 1 U, Bachmann provides a huge choice of PDUs in a high-quality aluminium profile. With their extremely compact size of just 1 U in height, 44 mm in depth and 19" in width, the PDUs can be easily integrated in your IT rack. Their multi-functional mounting brackets allow the units to be mounted in various ways (e.g. inwardly recessed). Our high quality standards ensure that the contact is reliable.

19" IT PDU Basic (230 V / 50 Hz)

| For descrip | tion, see page 176 | | 20000 |
|-------------|---|----------------------------|------------|
| Art. no. | Version | Colour (plastic / profile) | 00000-00 |
| 19" IT PDI | J Basic | | 100 |
| Without sv | /itch, 2.0 m H05VV-F 3G 1.50 mm², black, with right angle p | lug with earthing contact | 0.0 |
| 333.401 | 9 socket outlets with earthing contact, light grey | light grey / silver | 69-9 |
| 333.506 | 9 socket outlets with earthing contact, light grey | black / black | - |
| 333.539 | 9 IEC320 non-heating appliance socket outlets C13 black | light grey / silver | |
| 333.616 | 12 IEC320 non-heating appliance socket outlets C13 black | black / black | LOCKABLE |
| Without sv | vitch, 2.0 m H05VV-F 3G 1.50 mm², black, with IEC320 C20 | plug | |
| 333.815 | 8 IEC320 non-heating appliance socket outlets C19 black | light grey / silver | |
| Without sv | vitch, without supply cable, rewireable with terminal block | | |
| 333.416 | 8 socket outlets with earthing contact, light grey | light grey / silver | |
| 333.830 | 12 IEC320 non-heating appliance socket outlets C13 black | black / black | LOCKABLE |
| With switc | h, 2.0 m H05VV-F 3G 1.50 mm ² , black, with right angle plug | with earthing contact | 2(3:3) |
| 333.400 | 8 socket outlets with earthing contact, light grey | light grey / silver | 000- |
| 333.505 | 8 socket outlets with earthing contact, light grey | black / black | - 19 00000 |

19" IT PDU overvoltage protection (230 V / 50 Hz)

For description, see page 177

| Art. no. | Version | Colour | | |
|------------|--|--------------------------|--|--|
| 19" IT PDI | J Basic with overvoltage protection | | | |
| Without sv | Without switch, 2.0 m H05VV-F 3G 1.50 mm ² , black, with right angle plug with earthing contact | | | |
| 333.404 | 8 socket outlets with earthing contact grey | light grey / silver | | |
| 333.534 | 8 socket outlets with earthing contact, black | black / black | | |
| With switc | h, 2.0 m H05VV-F 3G 1.50 mm ² , black, with right angle plug | with earthing contact | | |
| 333.405 | 7 socket outlets with earthing contact, light grey | light grey / silver | | |
| 333.535 | 7 socket outlets with earthing contact, black | black / black | | |
| 19" IT PDI | J Basic with overvoltage protection + mains and frequen | cy filters | | |
| Without sv | vitch, 2.0 m H05VV-F 3G 1.50 mm², black, with right angle pl | ug with earthing contact | | |
| 333.402 | 6 socket outlets with earthing contact, light grey | light grey / silver | | |
| 333.536 | 6 socket outlets with earthing contact, black | black / black | | |
| With switc | With switch, 2.0 m H05VV-F 3G 1.50 mm ² , black, with right angle plug with earthing contact | | | |
| 333.403 | 5 socket outlets with earthing contact, light grey | light grey / silver | | |
| 333.537 | 5 socket outlets with earthing contact, black | black / black | | |
| 19" IT PDI | 19" IT PDU Basic mains and frequency filters | | | |
| Without sv | vitch, 2.0 m H05VV-F 3G 1.50 mm², black, with right angle pl | ug with earthing contact | | |
| 333.406 | 7 socket outlets with earthing contact, light grey | light grey / silver | | |



19" IT PDU Protection (230 V / 50 Hz)

For description, see page 177

| 9" IT PDI | J Basic with fusing | |
|--|--|---------------------------------------|
| 0 A minia | ture fuse, 2.0 m H05VV-F 3G 1.00 mm ² , black, with I | EC320 C14 plug |
| 333.410 | 8 socket outlets with earthing contact, red | light grey / silver |
| 333.538 | 8 socket outlets with earthing contact, red | black / black |
| 10 A minia | ture fuse, 2.0 m H05VV-F 3G 1.50 mm², black, with r | ight angle plug with earthing contact |
| 333.408 | 8 IEC320 non-heating appliance socket outlets C13 black | light grey / silver |
| 10 A miniature fuse, 2.0 m H05VV-F 3G 1.00 mm ² , black, with IEC320 C14 plug | | |
| 333.540 | 8 IEC320 non-heating appliance socket outlets C13 black | light grey / silver |
| 1 x residual current device, 16 A, tripping current 30 mA | | |
| 333.411 | 6 socket outlets with earthing contact, light grey | light grey / silver |
| 1 x MCB 16 A type B | | |
| 333.412 | 6 socket outlets with earthing contact, light grey | light grey / silver |

Zero U-Space IT PDU Basic (230 V / 50 Hz)

| Art. no. Version | Colour (plastic / profile) | | |
|--|--|--|--|
| Zero U-Space IT PDU Basic | | | |
| Without switch, 2.0 m H05VV-F 3G 1.50 mm ² , black, with right angle plug with earthing contact | | | |
| 333.413 12 socket outlets with earthing con | tact, light grey light grey / silver | | |

10" IT PDU Basic (230 V / 50 Hz)

| Art. no. | Version | Colour (plastic / profile) | | |
|--|--|----------------------------|--|--|
| IT PDU Ba | IT PDU Basic | | | |
| 10 ", 2.0 m H05VV-F 3G 1.50 mm ² , black, with right angle plug with earthing contact | | | | |
| 333.417 | 3 socket outlets with earthing contact, light grey | light grey / silver | | |
| 333.0122 | 4 socket outlets with earthing contact, light grey | light grey / silver | | |



· 0000000000000





19" IT PDU Master + Slave (230 V / 50 Hz)

- Automatically isolates master device and all slave devices from supply once master device is shut down/switched off
- · Automatically switches on master device and all slave devices once master device has been switched on
- · Integral LED indicates switching status

| Art. no. Version | Colour (plastic / profile) | |
|--|--|--------|
| 19" IT PDU Master + Slave | | 0.0000 |
| 2.0 m H05VV-F 3G 1.50 mm ² , black, with righ | t angle plug with earthing contact | |
| 333.407 1 + 4 socket outlets with earthing of | xontact, light grey light grey / silver | 1= 3 |
| 19" fuse box (32 A / 400 V / 50 Hz) | | NEW |
| Space-saving option of splitting a 32 A / 4 6 x 16 A miniature circuit breakers, charac | 00 V infeed between two 16 A / 400 V infeeds teristic C | |
| Art. no. Version | | |
| 19" IT PDU fuse box | | GT 00 |
| Input: 32 A / 400 V CEE plug outlet: 2 x 16 A | 400 V coupling | |
| 800.0120 6 x 16 A miniature circuit breakers | , characteristic C | |

LOCKABLE

IEC320 C13 lockable

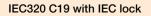
Two locking clips to secure two power cables. Locking is optimal only with Bachmann power cables.

Connecting cables and locking clips can be found on page 209.

1

575





The IEC lock system protects computers, as servers and electrical equipment can become accidentally disconnected due to vibrations.



IT PDU BASIC 1U

Country versions

IT PDU Basic Switzerland 🛨



| Art. no. | Version | Colour | Supply cable |
|--------------------------|------------------------------------|----------------|--|
| 19" IT PDL | J Basic Switzerland | | |
| Without sw | ritch | | |
| 800.1259 | 8 x CH type 13 90° | black | 2.0 m H05VV-F 3G 1.0 mm ² |
| | | | with CH plug type 12 |
| 800.1262 | 8 x CH type 23 90° | black | 3.0 m H05VV-F 3G 1.5 mm ² |
| | | | with CH plug type 23 |
| With switch | l l | | |
| 800.1263 | 7 x CH type 13 90° | black | 2.0 m H05VV-F 3G 1.0 mm ² |
| | | | with CH plug type 12 |
| 800.1264 | 7 x CH type 23 90° | black | 3.0 m H05VV-F 3G 1.5 mm ² |
| | | | with CH plug type 23 |
| | J Basic overvoltage pr | otaction Switz | orland |
| Without sw | | orection own2 | |
| 800.1260 | 7 x CH type 13 90° | black | 2.0 m H05VV-E 3G 1.0 mm ² |
| 00011200 | | | with CH plug type 12 |
| 800.1258 | 7 x CH type 23 90° | black | 3.0 m H05VV-F 3G 1.5 mm ² |
| | | | |
| | | | L with CH plug type 23 |
| | | | with CH plug type 23 |
| | | otection + mai | with CH plug type 23 ns and frequency filters Switzerland |
| 19" IT PDL Without sw | | otection + mai | |
| | | black | |
| Without sw | ritch | 1 | 2.0 m H05VV-F 3G 1.0 mm ² with CH plug type 12 |
| Without sw | ritch | 1 | 2.0 m H05VV-F 3G 1.0 mm ² |
| Without sw 800.1261 | i tch 5 x CH type 13 90° | black | 2.0 m H05VV-F 3G 1.0 mm ² with CH plug type 12 |

IT PDU Basic UK 😹



| Art. no. Version | Colour |
|--|--------|
| 19" IT PDU Basic UK | |
| Without switch, 2.0 m, H05VV-F 3G 1.5 mm ² with UK plug | |
| 333.804 7 x UK 90° child-proof | grey |
| With switch, 2.0 m, H05VV-F 3G 1.5 mm ² with UK plug | |
| 333.805 6 x UK 90° child-proof | grey |

IT PDU Basic France

| Art. no. | Version | Colour | 1.999999999 |
|------------|--|--------------------------------------|---------------------------------------|
| 19" IT PD | DU Basic France | | |
| Without s | witch, 2.0 m, H05VV-F 3G 1.5 mm ² with right- | angled earthing contact plug | 10 19 19 IT |
| 333.418 | 9 x UTE socket outlets | grey | 1 |
| Without st | witch, rewireable with terminal block | | • |
| 333.819 | 8 x UTE socket outlets | grey | |
| With swite | ch | | |
| 333.419 | 8 x UTE socket outlets + switch | grey | |
| 19" IT PD | OU Basic overvoltage protection France | | |
| Without se | witch, 2.0 m, H05VV-F 3G 1.5 mm ² with right- | angled earthing contact plug | 29.9.9 |
| 333.4061 | 8 x UTE socket outlets | grey | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| With swite | ch, 2.0 m, H05VV-F 3G 1.5 mm ² with right-and | gled earthing contact plug | |
| 333.838 | 7 x UTE socket outlets | grey | 1 |
| 19" IT PD | OU Basic overvoltage protection + mains ar | d frequency filters, France | |
| Without se | witch, 2.0 m, H05VV-F 3G 1.5 mm ² with right- | angled earthing contact plug | |
| 333.4063 | 6 x UTE socket outlets | grey | |
| With swite | ch, 2.0 m, H05VV-F 3G 1.5 mm ² with right-ang | gled earthing contact plug | |
| 333.840 | 5 x UTE socket outlets | grey | |
| 19" IT PD | OU Basic with fusing France | | 11. 999999 |
| 1 x residu | al current device, 16 A, tripping current 30 m/ | 4 | 1 9 9 M |
| 2.0 m H05 | 5VV-F 3G 1.5 mm ² with right-angle earthed pl | ug | |
| 333.4065 | | grey | |
| 1 x MCB | 16 A type B, 2.0 m, H05VV-F 3G 1.5 mm ² with | n right-angled earthing contact plug | |
| 333.4066 | 6 x UTE socket outlets | grey | |



IT PDU BASIC 1U Power distribution units 230 - 400 V / 50 Hz

Development of the IT PDU focused on space-saving PDU integration in the server rack with scope for modular expansion. The high-quality and very robust aluminium profile measures a compact 44 x 47 mm. The space-saving design therefore provides space for data cabling and ventilation for cooling the server rack. The IT PDUs can be linked together by a simple insertion mechanism, making it easy to combine various different plug versions.

19" IT PDU Basic (3 x 16 A / 400 V / 50 Hz)

| · · · | | SE |
|--|--------------------|----------|
| Art. no. Version | Dimensions | Eal ac |
| 19" IT PDU Basic | | 1 |
| 6 A, 3.0 m H05VV-F 5G 2.5 mm ² with CEE plug 16 A red | | |
| 300.0111* 6 IEC320 C19 non-heating appliance socket outlets | 482.6 x 44 x 47 mm | LOCKABLE |
| 16 A, 3.0 m H05VV-F 5G 2.5 mm ² with end sleeves | | |
| 800.0112* 6 IEC320 C19 non-heating appliance socket outlets ero U-Space IT PDU Basic (32 A / 230 V / 50 Hz) | 482.6 x 44 x 47 mm | |
| /ith integrated MCBs | | |
| Art. no. Version | Dimensions | |
| Zero U-Space IT PDU Basic | | 8 |
| Nithout switch, 3.0 m H05VV-F 3G 4 mm ² , grey, with CEE plug 32 A blue | | 8 |
| 800.0119 20 IEC320 non-heating appliance socket outlets C13 black, 2 x C16A MCB | 778 x 44 x 47 mm | LOCKABLE |

Zero U-Space IT PDU Basic (3 x 16 A / 400 V / 50 Hz)

| Art. no. | Version | Dimensions | | 8 |
|-------------|---|------------------|----------|-----|
| Zero U-Sp | ace IT PDU Basic 16 A | | | |
| 16 A, 3.0 m | 5G 2.5 mm ² with CEE plug 16 A red | | | 8 [|
| 800.0104* | 18 IEC320 C13 non-heating appliance socket outlets, 3 IEC320 C19 non-heating appliance socket outlets | 821 x 44 x 47 mm | LOCKABLE | |
| 800.0105 | 18 IEC320 non-heating appliance socket outlets C13 | 821 x 44 x 47 mm | LOCKABLE | |
| 800.0107 | 15 socket outlets with earthing contact | 821 x 44 x 47 mm | | |
| 800.0109 | 12 IEC320 non-heating appliance socket outlets C13, 6 socket outlets with earthing contact | 821 x 44 x 47 mm | LOCKABLE | |
| 16 A, 3.0 m | 5G 2.5 mm ² with end sleeves | | | |
| 800.0106* | 18 IEC320 non-heating appliance socket outlets C13 | 821 x 44 x 47 mm | LOCKABLE | |
| 800.0108* | 15 socket outlets with earthing contact | 821 x 44 x 47 mm | | |
| 800.0110* | 12 IEC320 non-heating appliance socket outlets C13, 6 socket outlets with earthing contact | 821 x 44 x 47 mm | LOCKABLE | ٦. |

Zero U-Space IT PDU Basic (2 x 3 x 16 A / 400 V / 50 Hz)

| Art. no. | Version | | Dimensions | | |
|---|--|--|---------------------------------------|----------|--|
| Zero U-Sp | ace IT PDU Basic 16 A | | | | |
| Two separa | ate power supply cables, 16 A, 3.0 m 5G 2.5 n | nm ² with CEE plug 16 A red | | | |
| 800.0113* | 36 IEC320 non-heating appliance socket outlets C13, 12 socket outlets with earthing contact | | 1840 x 44 x 47 mm | LOCKABLE | |
| 800.0114* | 48 IEC320 non-heating appliance socket outl | ets C13 | 1840 x 44 x 47 mm | LOCKABLE | |
| | | | | | |
| /ith integra | ated MCBs Version | Protection | Dimensions | | |
| Art. no. | | Protection | Dimensions | | |
| Art. no. Zero U-Sp | Version | Protection | Dimensions | | |
| Art. no. Zero U-Sp | Version ace IT PDU Basic 32 A | Protection 6 x C16A miniature circuit-breakers | Dimensions | LOCKABLE | |
| Art. no. Zero U-Sp 32 A, 3.0 n | Version ace IT PDU Basic 32 A 1 5G 4 mm² with CEE plug 32 A red | | | LOCKABLE | |
| Art. no. <mark>Zero U-Sp</mark> 32 A, 3.0 n 800.0100 | Version ace IT PDU Basic 32 A 5G 4 mm ² with CEE plug 32 A red 12 IEC320 C19 non-heating appliance socket outlets | 6 x C16A miniature circuit-breakers | 1075 x 44 x 47 mm | | |
| Art. no. Zero U-Sp 32 A, 3.0 n 800.0100 800.0101* 800.0102 | Version ace IT PDU Basic 32 A a 5G 4 mm ² with CEE plug 32 A red 12 IEC320 C19 non-heating appliance socket outlets 6 IEC320 C19 non-heating appliance socket outlets | 6 x C16A miniature circuit-breakers 6 x C16A miniature circuit-breakers | 1075 x 44 x 47 mm 820 x 44 x 47 mm | LOCKABLE | |

1 U



CABINET LIGHTING 1 U 19" lamp

The advantages • Lighting for 19" data racks at a glance • With on/off switch • With built-in socket recess in various country versions

- Electronic ballast unit
- Includes mounting bracket

Max. 16A/230V~

• Power input: 1.5 m H05VV-F 3G 1.50 mm², black, moulded right-angle plug with dual earthing contact system, plastic, RAL7035, sealed riveted end caps, cannot be opened.

| Art. no. | Version |
|----------|---------|
|----------|---------|

| 19" , 1 U la | amp | Length: 438.5 mm |
|--------------|---|------------------|
| 1 x switch | | |
| 755.000 | 1 socket outlet with earthing contact | |
| 755.002 | · 1 UTE socket outlet | |
| 1 x switch, | 1 x connection point for door-position switch | |
| 755.001 | 1 socket outlet with earthing contact | - |
| 755.003 | · 1 UTE socket outlet | |





Mounting brackets made from sheet steel:

4 adjustable screw fastenings, each can be rotated 90° degrees. Can be mounted vertically or horizontally.

PDU > 1 U ALU

Power distribution units

- \cdot Torsionally rigid profile > 1 U (52 mm), profile depth 44 mm
- · Modular socket outlet design
- · Standard socket colour white; other colours black, yellow, red, brown, blue and green also available
- · Option including illuminated 2-way switch
- · High-quality electronics components built in, e.g. overvoltage protection, mains and frequency filters
- · Mounting brackets included

End caps riveted and do not open

Power input: 2.0 m, H05VV-F 3G 1.50 mm² grey, with moulded right angle plug with dual earthing contact system, sockets white, set at 35°, mounting brackets included

| | Art. no. Version | |
|---------------------------------------|---|----------------|
| | 19", 8 x earthing contact | Length: 440 mm |
| 300 | | |
| 2000 | 333.001 · 8 socket outlets with earthing contact, white | |
| 00000000 | | |
| - | 19", 7 x earthing contact | Length: 440 mm |
| 000 | 1 x switch, green | |
| 2000 | 333.000 · 7 socket outlets with earthing contact, white | |
| 100 | · Switch, green | |
| | 19", 7 x earthing contact | Length: 440 mm |
| 0.00 | 1 x overvoltage protection | |
| 0000 | 333.004 · 7 socket outlets with earthing contact, white | |
| .00 | Overvoltage protection | |
| - :0000000 | | |
| Landau | 19", 6 x earthing contact | Length: 440 mm |
| 19:3 | 1 x overvoltage protection, 1 x switch, green | |
| 000 | 333.005 · 6 socket outlets with earthing contact, white | |
| .0. | · Switch, green | |
| · · · · · · · · · · · · · · · · · · · | Overvoltage protection | |
| and the second | | |
| | 19", 5 x earthing contact | Length: 440 mm |
| 633 | 1 x overvoltage protection + mains and frequency filters | |
| 000 | 333.002 · 5 socket outlets with earthing contact, white | |
| | \cdot Overvoltage protection + mains and frequency filters | |
| .: 00000 | | |
| Land State | 19", 4 x earthing contact | Length: 440 mm |
| 333 | 1 x overvoltage protection + mains and frequency filters, 1 x switch, green | |
| 00 | 331.0202 · 4 socket outlets with earthing contact, white | |
| | · Switch, green | |
| | Overvoltage protection + mains and frequency filters | |
| 1 month | | |
| | | |

PDU > 1 U PVC

Power distribution units

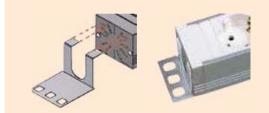
- · Torsionally rigid profile > 1 U (52 mm) in high-quality PVC, profile depth 44 mm
- · Option including illuminated 2-way switch
- · High-quality electronics components built in, e.g. overvoltage protection, mains and frequency filters
- · Mounting brackets included

End caps riveted and do not open

Power input: 2.0 m, H05VV-F 3G 1.50 mm² grey, with moulded right angle plug with dual earthing contact system, sockets light grey RAL7035, set at 35°, mounting brackets included

| Art. no. | Version | | 000000 |
|-------------|--|----------------|---|
| 19", 8 x ea | arthing contact | Length: 440 mm | (a) |
| 000.001 | | - | part of the second s |
| 333.601 | 8 socket outlets with earthing contact | L- | 21953 |
| 19", 7 x ea | arthing contact | Length: 440 mm | 099999 |
| 1 x switch | , green | - I | |
| 333.600 | · 7 socket outlets with earthing contact | | |
| | · Switch, green | ÷ | 00000 |
| 19", 7 x ea | arthing contact | Length: 440 mm | 0000 |
| 1 x overvo | oltage protection | C.a. | |
| 333.604 | · 7 socket outlets with earthing contact | | |
| | Overvoltage protection | | :0000 |
| 19", 6 x ea | arthing contact | Length: 440 mm | :000 |
| 1 x overvo | oltage protection, 1 x green switch | | |
| 333.605 | · 6 socket outlets with earthing contact | | |
| | · Switch, green | 6 | 13 |
| | Overvoltage protection | | 000 |
| 19", 5 x ea | arthing contact | Length: 440 mm | 009 |
| 1 x overvo | Itage protection + mains and frequency filters | 5 | |
| 333.602 | · 5 socket outlets with earthing contact | | |

· Overvoltage protection + mains and frequency filters



Stainless steel mounting bracket:

Fastening in the slots of the end cap enables the unit to be fitted at various heights and angles.



TRADESMAN'S STRIP

Robust, professional quality plastic strip.

With increased distance between socket outlets, allowing easy positioning of mains adaptor plugs and operating equipment.

| The advantages | Modern, technical design |
|----------------|--|
| at a glance | End caps with additional screw holes for |
| | mounting in data racks |
| | Additional earth conductor can be connected |
| | without opening the housing |
| | Strips in 19" dimensions available |

Tradesman's strip set at 90°



\cdot Supply cable: 2.0 m H05VV-F 3G 1.50 mm², black with right angle plug with earthing contact

 \cdot Socket inserts, black, 15 mm spacing between sockets

| Art. no. | Version | Dimensions: (L x W x H) | |
|------------|---|----------------------------|-----------|
| Power str | ip 90° | | |
| Without sv | vitch | | |
| 300.000 | 6 socket outlets with earthing contact | • approx. 445 x 74 x 45 mm | 19" |
| 300.001 | 9 socket outlets with earthing contact | • approx. 617 x 74 x 45 mm | 001 0001 |
| 300.002 | · 12 socket outlets with earthing contact | • approx. 790 x 74 x 45 mm | 0000 0000 |

| 1 x rocker switch, green | | | | |
|--------------------------|---|----------------------------|--|--|
| 300.003 | 6 socket outlets with earthing contact | · approx. 445 x 74 x 45 mm | | |
| 300.004 | 9 socket outlets with earthing contact | · approx. 617 x 74 x 45 mm | | |
| 300.005 | 12 socket outlets with earthing contact | · approx. 790 x 74 x 45 mm | | |

| 1 x overvoltage protection, 1 x rocker switch, green | | | | |
|--|--|----------------------------|--|--|
| 300.011 | · 6 socket outlets with earthing contact | • approx. 490 x 74 x 45 mm | | |
| | | | | |

| 1 x overvoltage protection + mains and frequency filters, 1 x rocker switch, green | | | | |
|--|--|----------------------------|--|--|
| 300.012 | \cdot 6 socket outlets with earthing contact | · approx. 575 x 74 x 45 mm | | |

Overvoltage protection with filter

Overvoltage protection – conforms to EN 61643-1:2005, EN 61643-11:2002 + A11:2007, type 3, discharge current 6.5 kA, response time < 25 nS. Suitable for 16 A (miniature fuse on request) with varistors, temperature fuse, gas discharge arrester, visual LED function and failure indicator (acoustic signalling also available on request).

Mains and frequency filters conforming to VDE 0565-3:05-2006, damping diagram on data sheet.

Tradesman's strip set at 35°

<u></u>

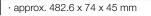
· Supply cable: 2.0 m H05VV-F 3G 1.50 mm², black

· Screwing dimension 465 mm, socket outlets set at 35°

 Art. no.
 Version
 Dimensions: (L x W x H)

 Power strip 35°

 Without switch
 300.006
 · 8 socket outlets with earthing contact
 · approx. 482.6 x 74 x 45 mm









BLUENET Power distribution unit

BlueNet is the intelligent energy management system with a measurement accuracy of +/- 1 %. Measurement on the neutral conductor also provides increased safety. Alarm values for current, voltage and the phase angle can be individually set for early detection of physical sources of danger. Temperature sensors or humidity sensors can also be connected.

All BlueNet Network series products have an integrated Ethernet interface and can be connected to monitoring systems via SNMP.

Power monitoring and display

BlueNet creates the optimum conditions for efficient power management. In order to monitor and control energy costs it is first necessary to know where and when they arise. BlueNet provides all relevant data such as energy consumption, voltage, power and more.

Capacity planning

Know what's running. By measuring individual loads, administrators can carry out effective planning for their data centre. They can then distribute loads so well that failures due to circuit overloads no longer occur.

Security

Automated notification when threshold values are reached informs the user by e-mail and SNMP before a fault can develop. Restarts controlled by web link further increase availability and flexibility.

Network-based evaluation and control

The data captured by BlueNet is evaluated centrally on the network. Thus the user obtains not only an exact energy cost overview but also information on available load reserves and on possible intervention in the power supply.

Save energy

For an exact analysis of power consumption in data centres, BlueNet is the ideal solution. It enables administrators to select servers for a virtualisation or for decommissioning. By performing a before/after comparison of energy consumption, savings on power costs can be reached in budget planning.





| Features | Metered | Metered Plus | Monitored, CEE outlet box | Monitored Plus | Switched | Managed |
|--|---------|-----------------|------------------------------|---------------------|----------|------------------|
| Parameter | | | | | · | |
| Current | • | • | • | • | - | • |
| Voltage | _ | • | • | • | _ | • |
| Phase angle | _ | • | _ | • | _ | • |
| Frequency | _ | • | • | • | _ | • |
| Energy | _ | • | • | • | _ | • |
| Reactive power | _ | _ | • | • | _ | • |
| Effective power | _ | • | • | • | _ | • |
| Apparent power | _ | _ | • | • | _ | • |
| Power factor | _ | _ | • | • | _ | • |
| Neutral conductor monitoring | _ | - | depends on model | depends on model | - | depends on model |
| Measurement per phase | • | • | • | • | — | • |
| Display | | | | | | |
| Туре | LCD | LCD | TFT / 2" | LCD | LCD | LCD |
| Display can be rotated using software | _ | _ | • | - | _ | _ |
| Illustration can be set in variable manner | — | _ | • | - | - | _ |
| Sensors | | | | | | |
| Integrated temperature sensor | — | _ | • | - | - | _ |
| Connections for external sensors | — | _ | 2 | _ | — | _ |
| Switching | | | | | | |
| Can be switched individually | — | — | — | — | • | • |
| Switching status monitoring | — | — | — | — | 0 | 0 |
| Network | | | | | | |
| Ethernet (10/100 Mbit/s) | _ | _ | • | • | • | • |
| ModBus TCP/IP | _ | _ | _ | 0 | 0 | 0 |
| HTTP | _ | _ | • | • | • | • |
| HTTPS | _ | _ | — | • | • | • |
| SSH | _ | _ | _ | • | • | • |
| DHCP | _ | _ | • | • | • | • |
| SMTP | _ | _ | _ | • | • | • |
| SNMP | _ | _ | • | • | • | • |
| Syslog | _ | _ | _ | • | • | • |
| NTP | _ | _ | • | • | • | • |
| Alarm (SMTP, SNMP) | _ | _ | _ | • | • | • |

• yes – no / O optional

BlueNet Metered Plus / Monitored Plus / Managed



Frequency (Hz)

Current mains frequency

Phase indicator (P)

Shows the phase (1, 2 or 3) currently being measured. Display moves automatically through the phases showing their respective measured values.

Power measurement (kW)

the phase angle into account. Power consumption

2.77 kW 230V 50 Hz - 15°

P: 12,5A

1585,9kWh

Mains voltage (V)

Displays the voltage of the incoming mains supply to which the power meter is connected.

Phase angle

Displays the phase shift in the power network.

Current (A)

The current now being drawn by the connected devices.

Total energy consumption (kWh)

The total energy consumption shown on the display is calculated taking the phase angle into account.

BlueNet Monitored

Mains voltage (V) Displays the voltage of the

incoming mains supply to which the power meter is connected.

Current (A)

The current now being drawn by the connected devices.

230 V 50.00 Hz 12.5 A PF 0.966 -2.77 kW MODE DELTA

Frequency (Hz) Current mains frequency

Power factor

Displays the power factor.

Power measurement (kW)

The effective power drawn by the consumers, taking the phase angle into account. Power consumption of the connected devices.

bachmann.com / 195





The display for the BlueNet Metered series: See and evaluate the most important values at a glance.

| The advantages | Current measurement |
|----------------|--|
| at a glance | Voltage measurement |
| | Phase angle measurement |
| | Effective power calculated with regard |
| | to phase angle |
| | Frequency measurement |
| | BlueNet display |
| | Accuracy class 1 |
| | |

BlueNet Metered (16 A / 230 V / 50 Hz)

- \cdot Integrated current measurement for up to 32 A (depending on version)
- \cdot 3-digit current readout on illuminated LCD display
- · Precision +/- 1%
- \cdot End caps riveted and do not open
- \cdot Includes mounting brackets and screws
- \cdot Plastic light grey, aluminium profile silver



| Art. no. | Version | Dimensions (L x W x H) | | |
|--|---|-------------------------|----------|--|
| BlueNet Metered | | | | |
| integrated ammeter, 2.0 m H05VV-F 3G 1.50 mm ² , black, with right angle plug with earthing contact | | | | |
| 333.808 | 7 socket outlets with earthing contact | approx. 482.6 x 44 x 58 | | |
| 333.810 | 8 IEC320 non-heating appliance socket outlets C13 | approx. 482.6 x 44 x 58 | LOCKABLE | |
| 333.862 | 7 IEC320 C19 non-heating appliance socket outlets | approx. 482.6 x 44 x 58 | | |
| 333.864 | 7 UTE socket outlets | approx. 482.6 x 44 x 58 | | |
| integrated ammeter, 2.0 m H05VV-F 3G 1.00 mm ² , black, with CH plug type 12 | | | | |
| 333.0422 | 7 CH socket outlets type 13 | approx. 482.6 x 44 x 58 | + | |

BlueNet Metered Plus (16 A / 230 V / 50 Hz)

· Integrated measurement of:

current, effective power, voltage, frequency, phase angle and energy

- Indication on illuminated LCD
- \cdot Energy meter which can be reset (value is stored even if there is no power supply)
- · Precision +/- 1%

Art. no. Version

- \cdot End caps riveted and do not open
- \cdot Includes mounting brackets and screws
- \cdot Plastic light grey, aluminium profile silver

| BlueNet Metered Plus | | | | |
|---|---|-------------------------|----------|--|
| integrated power metering, 2.0 m H05VV-F 3G 1.50 mm ² , black, with right angle plug with earthing contact | | | | |
| 329.213 | 6 socket outlets with earthing contact | approx. 482.6 x 44 x 58 | | |
| 329.214 | 8 IEC320 non-heating appliance socket outlets C13 | approx. 482.6 x 44 x 58 | LOCKABLE | |
| 329.215 | 6 IEC320 C19 non-heating appliance socket outlets | approx. 482.6 x 44 x 58 | | |

Dimensions (L x W x H)



329.213



329.214



329.215

230 V 50.00 Hz 12.5 A PF 0.966 2.77 kW MODE DELTA

Frequency (Hz) Current mains frequency

Power factor

Displays the power factor.

Mains voltage (V)

Displays the voltage of the incoming mains supply to which the power meter is connected.

Current (A)

The current now being drawn by the connected devices.

Power measurement (kW)

The effective power drawn by the consumers, taking the phase angle into account. Power consumption of the connected devices.



The data centre's mains supply is monitored and remotely controlled from the comfort of your desk with BlueNet Network series products. BlueNet increases data centre availability, minimises down times and cuts costs.

The BlueNet Network series monitors current, voltage and power.

This allows resources to be planned efficiently and alarms to be issued in the event of faults.



329.3009

** D. 0.5'

F

BLUENET MONITORED

Power distribution units

- Integrated measurement of current, voltage, frequency, effective, apparent and reactive power and power factor
- Integrated Ethernet connection
- \cdot Operated via web browser
- · Supported protocols include : HTTP; SNMP
- · Integrated temperature sensor
- · Up to two sensors can be connected
- · Incredibly compact design (WxD: 44 mm x 47 mm)
- · Robust aluminium housing
- · High-resolution TFT display
- \cdot Software can be used to turn the display to make it easier to read

BlueNet Monitored PDU 1-phase (16 A / 230 V / 50 Hz)

| BlueNet M | onitored 1-phase | | |
|-----------|--|--------------------|----------|
| 2.0 m H05 | /V-F 3G 1.50 mm ² , black, with right angle plug with earthing contact | | |
| 329.3009 | 6 socket outlets with earthing contact | 482.6 x 44 x 47 mm | |
| 329.3010 | 8 IEC320 non-heating appliance socket outlets C13 | 482.6 x 44 x 47 mm | LOCKABLE |
| 329.3011* | 6 IEC320 C13 non-heating appliance socket outlets, 2 IEC320 C19 non-heating appliance socket outlets | 482.6 x 44 x 47 mm | LOCKABLE |

BlueNet Monitored PDU 3-phase (3 x 16 A / 400 V / 50 Hz)

| Art. no. | Version | Dimensions | | |
|---------------------------|---|---------------------|----------|--|
| BlueNet Monitored 3-phase | | | | |
| 3.0 m H05\ | /V-F 5G 2.50 mm ² , black, with CEE plug 16 A red | | | |
| 329.3012 | 36 IEC320 non-heating appliance socket outlets C13, 6 socket outlets with earthing contact | 1757.7 x 44 x 47 mm | LOCKABLE | |
| 329.3013 | 36 IEC320 C13 non-heating appliance socket outlets, 6 IEC320 C19 non-heating appliance socket outlets | 1757.7 x 44 x 47 mm | LOCKABLE | |
| 329.3014 | 42 IEC320 non-heating appliance socket outlets C13 | 1675 x 44 x 47 mm | LOCKABLE | |

BlueNet Monitored accessories

| Art. no. | Description | |
|-----------|---|----------|
| BlueNet M | onitored accessories | |
| 329.3102 | Temperature sensor | 329.3012 |
| 329.3104* | Combined temperature and humidity sensor | 02010012 |
| 329.3105* | USB cable for connecting PDU directly to PC | |

* No storage type, delivery time available on request

BLUENET MONITORED

Upgrade modules

The BlueNet Monitored upgrade modules are used to upgrade intelligent modules in an existing power distribution system. Simple integration reduces the work and costs involved in installation to a minimum. Upgrade modules can be supplied with both integrated Ethernet interface and Power Line communications adaptor. The Power Line modules further simplify integration by reducing the cabling required.

BlueNet Monitored 19" upgrade modules (400 V / 50 Hz)

| Art. no. | Input | Output | Dimensions (L x W x H) |
|-----------|-----------------------------|--------------------------------|------------------------|
| BlueNet M | onitored 19" upgrade module | with integrated Ethernet conne | ction |
| 329.3001* | Wago X-Com 3 phases 32 A | Wago X-Com 3 phases 32 A | 482.6 x 44 x 47 mm |
| 329.3003* | CEE red 3 phases 16 A | 3 IEC320 C19 16 A | 482.6 x 44 x 47 mm |
| 329.3004 | CEE red 3 phases 16 A | CEE red 3 phases 16 A | 482.6 x 44 x 47 mm |

BlueNet Monitored Power Line upgrade modules (400 V / 50 Hz)

| Art. no. | Input | Output | Dimensions (L x W x H) | | | |
|-----------|--|--------------------------|------------------------|--|--|--|
| BlueNet M | BlueNet Monitored 19" upgrade module with Power Line communications module | | | | | |
| 329.3005* | Wago X-Com 3 phases 32 A | Wago X-Com 3 phases 32 A | 482.6 x 44 x 47 mm | | | |
| 329.3007* | CEE red 3 phases 16 A | 3 IEC320 C19 16 A | 482.6 x 44 x 47 mm | | | |
| 329.3008* | CEE red 3 phases 16 A | CEE red 3 phases 16 A | 482.6 x 44 x 47 mm | | | |

BlueNet Power Line Concentrator

The BlueNet Power Line Concentrator collects the data from the Power Line PDUs and supplies it to
 the network via the Ethernet interface

Art. no. Version

| BlueNet Concentrator with Power Line communications module | |
|--|--|
| | |

329.3017* 3 phases / 400 V

BLUENET MONITORED PLUS

Power distribution units

- \cdot Integrated measurement of current, effective power, voltage, frequency and phase angle
- · Integrated Ethernet connection
- \cdot Operated via web browser
- \cdot Supported protocols include: HTTP, HTTPS, SNMP, SMTP, NTP, SSH
- · Robust aluminium housing
- · Illuminated LCD

BlueNet Monitored Plus PDU 1-phase (16 A / 230 V / 50 Hz)

| Art. no. | Version | Dimensions (L x W x D) | |
|------------|--|------------------------|-----------|
| BlueNet M | lonitored Plus 1-phase | | |
| 19", 2.0 m | H05VV-F 3G 1.50 mm ² , black, with right angle plug with earthing contact | | 10 000000 |
| 329.600 | 6 socket outlets with earthing contact | 482.6 x 44 x 199 mm | |
| 329.601 | 8 IEC320 non-heating appliance socket outlets C13 | 482.6 x 44 x 199 mm | LOCKABLE |
| 329.602 | 6 IEC320 C19 non-heating appliance socket outlets | 482.6 x 44 x 199 mm | |

BlueNet Monitored Plus PDU 3-phase (3 x 16 A / 400 V / 50 Hz)

| Art. no. | Version | Dimensions (L x W x D) | |
|---------------|--|------------------------|--|
| BlueNet Mon | itored Plus 3-phase | | |
| 3.0 m H05VV- | F 5G 2.5 mm ² , black, with CEE plug 16 A red | | famous and a second sec |
| 329.615 | 9 IEC320 non-heating socket outlets C19 | 695 x 44 x 199 mm | |
| 329.617 | 9 socket outlets with earthing contact | 695 x 44 x 199 mm | |
| 3.0 m, H05VV- | F 5G 2.5 mm ² black, with end sleeves | | |
| 329.616* | 9 IEC320 non-heating socket outlets C19 | 695 x 44 x 199 mm | |
| 329.618* | 9 socket outlets with earthing contact | 695 x 44 x 199 mm | |

BlueNet Monitored Plus PDU 3-phase (3 x 32 A / 400 V / 50 Hz)

In the 32 A variants of the Monitored Plus PDUs, per phase the 32 A are split over two groups of pots each using two MCBs.

| Art. no. | Version | Dimensions (L x W x D) | | | |
|------------|---|------------------------|----------|--|--|
| BlueNet M | BlueNet Monitored Plus 3-phase | | | | |
| 3.0 m H05\ | /V-F 5G 4 mm², black, with CEE plug 32 A red | | | | |
| 329.604 | 24 IEC320 C13 non-heating appliance socket outlets, 6 IEC320 C19 non-heating appliance socket outlets | 1713 x 44 x 207 mm | LOCKABLE | | |
| 329.605 | 12 IEC320 C19 non-heating appliance socket outlets | 1202 x 44 x 207 mm | | | |
| 329.606 | 24 socket outlets with earthing contact | 1713 x 44 x 207 mm | | | |



BlueNet Monitored Plus, 19"

BLUENET SWITCHED

Power distribution units

- · Socket outlets can be switched individually
- \cdot Safe zero-voltage switching
- · Integrated LED switching status check per port
- · Integrated Ethernet connection
- · Operated via web browser
- \cdot Supported protocols include: HTTP, HTTPS, SNMP, SMTP, NTP, SSH
- · Robust aluminium housing

BlueNet Switched PDU 1-phase (16 A / 230 V / 50 Hz)

| | Art. no. Version | | Dimensions (L x W x D) |
|----------|--|--|------------------------|
| | BlueNet Switched 1-phase | | |
| | 19", 2.0 m | H05VV-F 3G 1.50 mm ² , black, with right angle plug with earthing contact | |
| LOCKABLE | 329.700 | 8 IEC320 non-heating appliance socket outlets C13 | 482.6 x 44 x 199 mm |
| | 329.702 | 6 socket outlets with earthing contact | 482.6 x 44 x 199 mm |
| | Zero-U Space, 2.0 m H05VV-F 3G 1.50 mm ² , black, with right angle plug with earthing contact | | contact |
| LOCKABLE | 329.701 | 16 IEC320 non-heating appliance socket outlets C13 | 692 x 44 x 199 mm |

BlueNet Switched PDU 3-phase (3 x 32 A / 400 V / 50 Hz)

In the 32 A versions of the Switched PDUs, each 32 A phase is split over two groups of pots with two MCBs.

| Art. no. | Version | Dimensions (L x W x D) | |
|---|--|------------------------|--|
| BlueNet S | witched 3-phase | | |
| 3.0 m Ölflex 3G 4 mm ² , black, with CEE plug 32 A red | | | |
| 329.703 | 24 IEC320 C13 non-heating appliance socket outlets, 6 IEC320 C19 non-heating appliance socket outlets | 1713 x 44 x 207 mm | |
| 329.704 | 12 IEC320 C19 non-heating appliance socket outlets | 1202 x 44 x 207 mm | |
| 329.705 | 24 socket outlets with earthing contact | 1713 x 44 x 207 mm | |

LOCKABLE

329.704

BLUENET MANAGED

Power distribution units

- \cdot Socket outlets can be switched individually
- · Safe zero-voltage switching
- \cdot Integrated LED switching status check per port
- · Integrated Ethernet connection
- · Operated via web browser
- \cdot Integrated measurement of current, effective power, voltage, frequency and phase angle
- \cdot Supported protocols include: HTTP, HTTPS, SNMP, SMTP, NTP, SSH
- · Robust aluminium housing
- Illuminated LCD

BlueNet Managed PDU 3-phase (3 x 32 A / 400 V / 50 Hz)

In the 32 A versions of the Managed PDUs each 32 A phase is split over two groups of pots with two MCBs.

| Art. no. Version | | Dimensions (L x W x D) | | | | |
|------------------|---|------------------------|----------|--|--|--|
| BlueNet M | BlueNet Managed 3-phase | | | | | |
| 3.0 m H05 | /V-F 5G 4 mm ² , black, with CEE plug 32 A red | | | | | |
| 329.800 | 24 IEC320 C13 non-heating appliance socket outlets, 6 IEC320 C19 non-heating appliance socket outlets | 1713 x 44 x 207 mm | LOCKABLE | | | |
| 329.801 | 12 IEC320 C19 non-heating appliance socket outlets | 1202 x 44 x 207 mm | | | | |
| 329.802 | 24 socket outlets with earthing contact | 1713 x 44 x 207 mm | | | | |

14: 1 I

-

00000000 HI 10000000

329.802

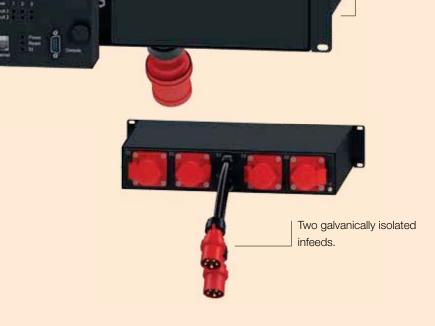
The measurement module can be removed in use without interruption of the supply to the connected devices.

1

Only two height units are required.

Current, effective power, voltage, frequency, phase angle and energy can be read from the LC display on the front of the unit. LEDs indicate whether there is voltage present on each of the phases.

A built-in Ethernet port lets you export readings and set alarm thresholds via a web browser or SNMP.



BLUENET POWER UNIT

Modular power distribution in data centres

BlueNet POWER UNIT offers a modular platform for power distribution in data centres. The POWER UNIT basic unit provides power distribution in the rack. If required, the measurement module can be upgraded or replaced during operation without interruption to the supply.



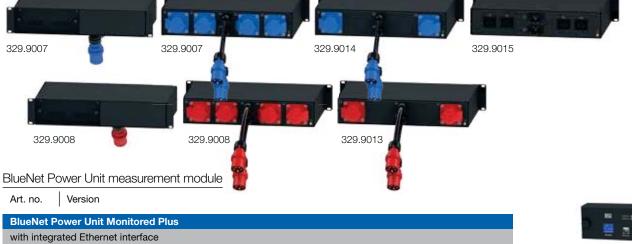
BLUENET POWER UNIT

Power distribution units

- \cdot Integrated measurement of current, effective power, voltage, frequency and phase angle
- \cdot Two galvanically isolated power supply units
- · Integrated Ethernet connection
- \cdot Can be operated by web browser, SNMP or serial interface
- \cdot Can optionally also be controlled by ModBus TCP (on request)
- \cdot Supported protocols include: HTTP, HTTPS, SNMP, SMTP, NTP, SSH
- · Robust enclosure in steel plate
- · Illuminated LC display
- \cdot Measurement module can be swapped in use without interruption to supply

BlueNet Power Unit base unit (measurement module is available separately)

| Art. no. | Input | Output | |
|-------------|----------------------------|----------------------|---------------------|
| BlueNet P | ower Unit | | 435.6 x 88 x 317 mm |
| 2 x 1 phase | ≥ 230 V | | |
| 329.9007* | 2 x 3.0 m CEE 16 A / 230 V | 4 x CEE 16 A / 230 V | |
| 329.9014* | 2 x 3.0 m CEE 16 A / 230 V | 2 x CEE 16 A / 230 V | |
| 329.9015* | 2 x C20 16 A / 230 V | 4 x C19 16 A / 230 V | |
| 329.9016* | 2 x C20 16 A / 230 V | 2 x C19 16 A / 230 V | |
| 2 x 3 phase | ≥ 400 V | | |
| 329.9008* | 2 x 3.0 m CEE 16 A / 400 V | 4 x CEE 16 A / 400 V | |
| 329.9013* | 2 x 3.0 m CEE 16 A / 400 V | 2 x CEE 16 A / 400 V | |
| 329.9009* | 2 x 3.0 m CEE 32 A / 400 V | 4 x CEE 32 A / 400 V | |
| 329.9012* | 2 x 3.0 m CEE 32 A / 400 V | 2 x CEE 32 A / 400 V | |
| No. | | | |



| with integrated Ethernet interface | | | |
|------------------------------------|-------------------|--|--|
| | 16 - 32 A / 230 V | | |
| 329.9011 | 16 - 32 A / 400 V | | |

BlueNet Power Unit set (basic unit + measurement module)

| Art. no. | Input | Output | |
|-------------|----------------------------|----------------------|---------------------|
| BlueNet P | ower Unit | | 435.6 x 88 x 317 mm |
| 2 x 1 phase | ≥ 230 V | | |
| 329.9001 | 2 x 3.0 m CEE 16 A / 230 V | 4 x CEE 16 A / 230 V | |
| 2 x 3 phase | ≥ 400 V | | |
| 329.9002 | 2 x 3.0 m CEE 16 A / 400 V | 4 x CEE 16 A / 400 V | |
| 329.9003 | 2 x 3.0 m CEE 32 A / 400 V | 4 x CEE 32 A / 400 V | |

* No storage type, delivery time available on request



BLUENET CEE OUTLET BOX Intelligent infrastructure

The BlueNet CEE outlet box is an easy-to-install intelligent system for monitoring and displaying power. The product is perfectly suited to data centres and industrial applications. The BlueNet CEE outlet box can be quickly and cheaply integrated in existing and new infrastructures using the integrated terminal block or the connection cable that has already been fitted.



BLUENET CEE OUTLET BOX

Intelligent infrastructure

- Integrated measurement of current, voltage, frequency, effective, apparent and reactive power and power factor
- Integrated Ethernet connection
- · Operated via web browser
- · Supported protocols include: HTTP; SNMP
- · Integrated temperature sensor
- · Up to two sensors can be connected (see page 199)
- · Robust enclosure in steel plate
- · High-resolution TFT display
- \cdot Software can be used to turn the display to make it easier to read
- · Can be reconnected with terminal block
- · Removable mounting plate for cable ducts or wall mounting
- \cdot Other mounting plates available on request.

BlueNet CEE outlet box

| Art. no. | Input | Output | |
|------------|----------------------|-------------------------|--------------------|
| BlueNet or | utlet box | | 232 x 104 x 102 mm |
| 16 A | | | |
| 329.3030 | 1.0 m CEE plug, blue | CEE outlet 16 A / 230 V | |
| 329.3031 | 1.0 m CEE plug, red | CEE outlet 16 A / 400 V | |
| 329.3032 | Connector | CEE outlet 16 A / 230 V | |
| 329.3033 | Connector | CEE outlet 16 A / 400 V | |
| 32 A | | | |
| 329.3034 | 1.0 m CEE plug, blue | CEE outlet 32 A / 230 V | |
| 329.3035 | 1.0 m CEE plug, red | CEE outlet 32 A / 400 V | |
| 329.3036 | Connector | CEE outlet 32 A / 230 V | |
| 329.3037 | Connector | CEE outlet 32 A / 400 V | |

Integrated Ethernet connection & _____ connection point for up to two external sensors (see page 199).





329.3030

329.3032



329.3033



329.3031

The TFT display can be turned in 90° steps to make it easier to read.

Removable mounting plate for cable ducts or wall mounting. Other mounting plates available on request.

The integrated terminal block enables simple connection to – existing cabling.

ACCESSORIES

Mounting brackets for standard 1 U profile

• The brackets are screwed to the PDU end cap using a screw connection (screws provided).

Art. no. Version



| 1 U mount | ing brackets |
|-------------|----------------------------------|
| 19", Zero-l | J Space |
| 940.142 | Mounting brackets left and right |

> 1 U mounting brackets
 19", Zero-U Space
 940.096 · Mounting brackets left and right



Fixing brackets in sheet steel for 1 U: 4 adjustable screw fastenings, each can be rotated 90° degrees, vertical installation also possible.

Mounting brackets for VM profile variant / Zero U-Space installation

 \cdot Power strip is fixed by insertion into the profile groove provided.

 \cdot No additional screws required.

Art. no. Version



 1 U mounting brackets

 19", Zero-U Space

 940.141
 · Mounting brackets left and right

1 U mounting brackets

Zero-U Space

940.143 · Mounting brackets left and right

```
1 U link
```

```
Zero-U Space
```

800.0053 · For connecting two vertically fitted PDUs

Locking clip

| Art. no. | Version | |
|------------|--|--|
| Locking cl | ips | |
| 940.103 | · Red locking clip for IEC320 appliance socket outlets C13, supplied in packs of 12. | |
| Connectir | g cable for interlock | |

Art. no. Version

| Connectin | Connecting cable for interlock | | |
|-----------|--|--|--|
| | | | |
| 356.119 | · Connecting cable, 0.5 m, black, H05VV-F 3G 1.0 mm ² | | |
| | · End 1: moulded non-heating appliance plug IEC C14 | | |
| | · End 2: moulded non-heating appliance socket outlet IEC C13 | | |
| 356.120 | · Connecting cable, 1.0 m, black, H05VV-F 3G 1.0 mm ² | | |
| | · End 1: moulded non-heating appliance plug IEC C14 | | |
| | · End 2: moulded non-heating appliance socket outlet IEC C13 | | |

Locking cap IEC320 C13 & C19

| Art. no. | Version | |
|-----------|---|--|
| Connectin | g cable for interlock | |
| 800.0050 | C19 locking caps, 10 items incl. unlocking tool | |
| 800.0051 | C13 locking caps, 10 items incl. unlocking tool | |
| 800.0052 | Unlocking tool for locking cap | |

Shift inhibitor

 \cdot To protect against unintentional actuation of miniature or residual current circuit breakers

| Art. no. | Version |
|-------------|---|
| Shift inhib | itor |
| | |
| 940.140 | Actuation lock for circuit breakers and switches, 1 pole, to protect against unauthorised or dangerous activation of the switch lever |

RackFix tool-free mounting on 19" rail

 \cdot Self-locking fixing connector for tool-free fastening of PDUs in 19" rack

Art. no. Version

RackFix tool-free rack fastening

| 940.166 | Fixing clip, supplied in packs of 50 |
|---------|--------------------------------------|
| 940.167 | Disassembly tool for fixing clip |







Length

CAT5e patch cable plug/plug

1.0 m

Art. no.

918.003

Data cables -> Transfer of data within various categories

Version





| 940.052 | 3.0 m | · Conforms to ISO / IEC 11801 and EN 50173 |
|----------------------|-----------------------|---|
| 940.053 | 5.0 m | Ends 1 and 2: RJ45 plug with kink protection nozzle and protective tongue for interlock |
| | | · Suitable for e.g. CAT5e socket / socket 940.057 |
| | | |
| | | |
| CAT6 patc | h cable plug | ı / plug |
| CAT6 patc 940.040 | h cable plug 3.0 m | / plug · CAT6 cable, shielded, colour grey |
| • | | |
| 940.040 | 3.0 m | · CAT6 cable, shielded, colour grey |

· CAT5e cable, shielded, colour grey



| CAT6a pat | ch cable plu | ıg / plug |
|-----------|--------------|--|
| 918.006 | 1.0 m | · CAT7 cable, shielded, colour black |
| 918.007 | 3.0 m | Conforms to IEC 61156-6 |
| 918.008 | 5.0 m | Ends 1 and 2: RJ45 Hirose TM12 CAT6a plug with kink protection nozzle and unlocking tongue Suitable for e.g. CAT6 socket / socket 940.044 |



| CAT6a patch cable plug | | | | |
|------------------------|--------------|---|--|--|
| 918.033 | 3.0 m | · CAT7 cable, shielded, colour black | | |
| 918.034 | 5.0 m | Conforms to IEC 61156-6 | | |
| | | End 1: RJ45 Hirose TM12 CAT6a plug with kink protection nozzle and unlocking tongue. End 2: CAT6a TKM 10 Gb keystone socket. | | |
| | | · Fits into keystone frames 917.000 / 917.001 / 917.061 / 917.062 | | |
| B.I12 pate | h cable plug | i / plug | | |



| RJ12 patch cable plug / plug | | |
|------------------------------|-------|---|
| 940.089 | 3.0 m | · RJ12 cable, unshielded, colour black |
| | | Conforms to ISO / IEC 11801 and EN 50173 |
| | | Ends 1 and 2: RJ12 plug with kink protection nozzle |
| | | · Suitable for e.g. RJ12 socket / socket 940.085 |



USB connecting cable

| Art. no. | Length | Version |
|-----------|-------------|---|
| USB A/B c | onnecting o | able |
| 940.046 | 3.0 m | · USB A/B connecting cable, colour black · End 1: plug A · End 2: plug B · Can be used with custom modules with USB B socket / socket (e.g. 917.018) |

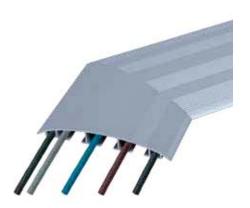
Flexible cable management system

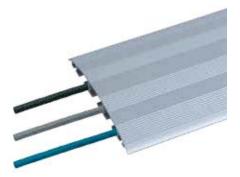
- \cdot The links are safe to step on and break-proof; they can be displaced with respect to one another
- \cdot 2 connector shoulders for the transmission of forces (including torques and lateral forces)
- · Special geometry enables individual cables to be unfurled through the sides of the links without risking crushing

| Art. no. | Colour | Version | |
|--------------------|---|---|--|
| KABELSC | HLANGE [®] C | lassic | |
| 930.030 930.031 | Black Silver | For horizontal and vertical cable routing 3-chamber system to separate low-current, data and power cables 46 chain links, W x H: approx. 54 x 23 mm Length (separated): approx. 100 cm Length (pushed together): approx. 72 cm | ALL AND ALL AN |
| | | | The sec |
| 930.058 930.059 | Black Silver | For horizontal and vertical cable routing 2-chamber system to separate low-current, data and power cables 34 chain links, W x H: approx. 55 x 25 mm Length (separated): approx. 100 cm Length (pushed together): approx. 69 cm | S. |
| KABELSC | HLANGE [®] P | ro | |
| 930.032 930.033 | Black Silver | For horizontal cable routing Increased resistance to being stepped on even in high foot traffic areas such as passages 5 chain links can withstand short-term loads of up to 120 kg 2-chamber system to separate data and power cables Can also be connected directly to Kabelschlange® Classic 34 chain links, W x H: approx. 90 x 24 mm Length (separated): approx. 100 cm Length (pushed together): approx. 69 cm | Contraction of the second |
| KABELSC | HLANGE® P | remium-Set | Annu man |
| 930.049 | Black | · For vertical cable routing to high-quality office furniture | Comments of |
| 930.050 | Silver | Looks-orientated premium set: 16 chain links, W x H: approx. 35 x 70 mm 1 x metal base plate in appropriate colour 1 x end piece for fixing to desk, screws The chain links can be pushed together completely to form a self-locking, elliptical cable duct 2-chamber system to separate data and power cables Length incl. base plate and desk fixing approx. 78 cm Length without accessories approx. 75 cm Length (pushed together): approx. 59 cm per set | |
| KABELSC | HLANGE® E | asy-Clip | Se M |
| | 1 | © Classic, Cube and Pro | S Lin T |
| 930.037 930.038 | Black Silver | Clip for tool-free flexible connection to power columns (e.g. Power Tower) Plug in the clip at the end of the KABELSCHLANGE[®] and attach the wire bracket to the terminals on the power column | |
| KABELSC | HLANG <u>E® E</u> | asy-Clip for floor outlet | |
| 930.036 930.054 | For KABEL- SCHLANGE® Classic For KABEL- SCHLANGE® | Patented adaptor for docking the KABELSCHLANGE[®] cable management systems to all common floor outlets Clip with elongated holes and fixing holes, can be used for horizontal or vertical fixing to furniture or trunking by removing components that are not required | 1 st |
| | Pro and Cube | Clip, pushes onto bottom of the last chain link Clip yields flexibly in the event of impact (e.g. when floor is being cleaned), thus avoiding damage to outlet or clip | In the second second |

| | Art. no. | Colour | Version |
|--|-----------|--|--|
| | KABELSC | HLANGE® Ea | asy-Fix 90S Dimensions (L x W x H) 48 x 20 x 20 mm |
| | For KABEL | SCHLANGE | [®] Classic, Cube and Pro |
| | 930.055 | Black | Bracket for vertical fixing e.g. to undersides of desk/table tops D = 1.5 mm; 2 drill holes, diameter = 4 mm. Hole spacing 30 mm |
| | KABELSC | HLANGE® Ea | asy-Stop |
| | 930.042 | Black | Cable grip to fix cables (to ensure cabling complies with standards) securely and tightly to the fixing point Suitable for horizontal and vertical fixing Can be used as an individual component or combined with any Easy-Line[®] rail With connector clips to connect to system independently of direction |
| Te attants | KABELSC | HLANGE® Ea | asy-Line |
| Community . | For KABEL | SCHLANGE | [®] Classic and Pro curved and straight sections |
| Crashin. | 930.039 | Straight | · Ideal for mounting on walls or ceilings |
| | 930.040 | 90° curved section Radius 150 mm | Can also be used for horizontal desk cabling, for trunking or for skirting |
| | 930.041 | 22.5° curved section | 4 x Easy-Line straight sections are sufficient for one metre of KABELSCHLANGE[®] Classic |
| | | | · Please fit an Easy-Stop cable grip to each free end! |
| and the second sec | KABELSC | HLANGE® ca | able clamp set with cable grip |
| ವರ್ಷ | 930.051 | Black | · Cable clamp set, screws onto underside of desk/table top |
| 15 | | | Clamp allows further routing of cable under he desk/table top |
| | | | Contents: Cable clamp incl. 2 fixing screws (for thin desk / table tops too) Strain relief with adjusting screw |
| | KABELSC | HLANGE® Ea | asy-Switch |
| ALL | For KABEL | SCHLANGE | [®] Classic, Cube and Pro |
| Hill. | 930.034 | Black | The Easy-Switch distributor turns the KABELSCHLANGE® |
| | 930.035 | Silver | into a network-compatible cable management system |
| | | | The Easy-Switch docks without tools to the KABELSCHLANGE[®] using the adaptor chain links |
| | | | Note: If using with KABELSCHLANGE® Pro you should also order Classic chain links to link to the distributor |
| | KABELSC | HLANGE® Ea | asv-Switch |
| | | | © Classic, Cube, Pro and Premium |
| RAA. A | 930.057 | Black | 4-way distributor with 3 x 120° horizontal junction sockets for KABELSCHLANGE[®] Classic, Cube and Pro |
| | | | 1 vertical coupling point for KABELSCHLANGE® Premium |
| | | | Incl. fixing screw and solid base plate (Easy-Floor Premium) |
| | | | Set contains 4 KS Cube coupling links for linking to KABELSCHLANGE[®] Pro |
| AN | KABELSC | HLANGE® Ea | asv-Cap |
| | 930.044 | Black | Blank cap to seal unused Easy-Switch |
| | 930.045 | Silver | connection points |
| | | | |

BRIDGE - the cable duct





| CABLE BR | RIDGE | | |
|-------------|-------------|---------------------------------|--|
| Bracket for | r cable duc | t | |
| 930.062 | 45° | · Bracket in anodised aluminium | |
| 930.063 | 90° | | |
| | | | and the second s |

| CABLE B | RIDGE | | |
|-------------|---------------|--|-------------------------|
| Linking ele | ement for cal | ble duct | |
| 930.064 | Straight | Link for joining straight cable ducts | and and and a summer of |
| | | Screws into place with integral screws | |
| | | · 2 items | |
| | • | | 1 |

CABLE BRIDGE Fixing accessories for cable duct 930.065 Straight \cdot For screwing down cable ducts at the ends · 4 items







Wrap textile-fibre sleeves

Wrap textile-fibre sleeves bundle and protect cables and wires in data centre and office environments. The elastic braided sheath with its monofilament fibres assures fire and abrasion resistance and is thus also ideal for professional and industrial use.

Wrap textile-fibre sleeves are aesthetically appealing and can also be retrofitted to cable sets without difficulty.

Automatic Wrap

Length

Dimensions: diameter 2.54 cm = 1 inch

1.0 m

2.0 m

3.0 m

Art. no.

930.900

930.901

930.902

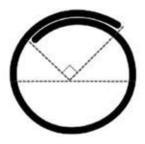
Automatic Wrap

Version

Black

Black

Black



The unique, sectional, semi-rigid weave makes Automatic Wrap an ideal solution for situations in which simple installation is required. Its side opening allows for a wide range of applications and can be closed again without the need for aids such as adhesive tape. The PET braid is light and flexible. The edge, which juts out by 25%, provides cover for the cable extensions and connections inside. Automatic Wrap can be routed around narrow edges without opening or becoming warped. Unlike rigid cable ducts, it does not impair the flexibility of the cable harness.

| The advantages | Simple, low-cost installation with minimal labour | | | |
|----------------|---|--|--|--|
| at a glance | More flexible than coiled or wound solutions | | | |
| | 25% overlap for secure cable bundling | | | |
| | Resistant to chemicals and solvents | | | |
| | Halogen-free | | | |
| | Resistant to cuts and abrasions | | | |
| | Retains its shape within operating temperature | | | |
| | range -75 °C to +125 °C | | | |
| | | | | |

| Automatic | Wrap | | | |
|-----------|---------------|---------------------------|--|--|
| Dimension | s: diameter 5 | .08 cm = 2 inches | | |
| 930.903 | 1.0 m | Black | | |
| 930.904 | 2.0 m | Black | | |
| 930.905 | 3.0 m | Black | | |

Manual Wrap in colour

Manual Wrap is an exclusive product that offers the ideal solution for numerous applications. A strong Velcro fastener makes the application simple to fit. The entire length of the run remains accessible after installation, e.g. for adding or removing cables or connections. The stretchable woven braid allows the Manual Wrap to bundle and sheathe cables of various diameters. Manual Wrap can also wrap around applications with non-standard shapes. It can be cut cleanly with a thermal cutting device (optional).

The advantages at a glance

- Strong Velcro fastener for frequent access
- Can be stretched over plugs and sockets
- Halogen-free
- Resistant to chemicals and solvents
- Melting point ~230 °C



Art. no. Version Version

| Manual W | rap | | |
|-----------|---------------|-------------------|---|
| Dimension | s: diameter 3 | .18 cm = 1 ¼ inch | |
| 930.906* | 1.0 m | ·Black | _ |
| 930.907* | 2.0 m | ·Black | _ |
| 930.908* | 3.0 m | ·Black | |



| Manual Wrap | | | |
|---|-------|--------|--|
| Dimensions: diameter 5.08 cm = 2 inches | | | |
| 930.909* | 1.0 m | ·Black | |
| 930.910* | 2.0 m | ·Black | |
| 930.911* | 3.0 m | ·Black | |

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Automatic switchoff Switch off and save power

The Bachmann automatic switchoff unit allows efficient savings in power consumption by modern-day office equipment during non-working hours without a major outlay on wiring.

Switching equipment off completely is no longer left to chance; power saving now begins as soon as the workstation PC is shut down.

The effectiveness of this system exceeds the savings possible with master-and-slave multiple-socket outlets, since **no standby current is drawn by the master device** and total power consumption during on-working hours is exactly zero.

| The advantages | Complete interrupt | |
|----------------|--|--|
| at a glance | • No standby current is drawn by the master device | |
| | No electricity - no fire risk | |
| | Potential saving of up to €70 per year and | |
| | workstation | |
| | Improvement to carbon footprint | |
| | | |

Automatic switchoff GREEN

While power outlets with switches are mostly well suited to energy saving, since they can prevent the connected equipment being left in standby mode, unfortunately people often forget to switch them off. The automatic switchoff device saves energy automatically, using intelligent electronics.

- 30 seconds after the device connected to the master socket is shut down/ switched off, it automatically isolates this and all the devices connected to slave sockets (e.g. PC, TV etc.) from the supply.
- Power can be restored simply by pressing the button.
- Optional remote-controlled relay (mounts simply on the desk/table top)
- Energy saving per workstation (with PC, monitor and printer) up to 200 kWh/year

Master & slave GREEN

Energy can also be automatically saved using a master-and-slave power strip. When the device plugged into the master socket is switched off or on, this and all the devices connected to the slave sockets (e.g. PC, TV) are automatically switched off or on accordingly.

A particularly convenient feature is that the master-and-slave electronics is also suitable for master appliances with remote control.

- Once master device is shut down/switched off, automatically isolates this and all slave devices from supply
- Once master device has been switched on, automatically switches on this and all slave devices
- Integral LED indicates switching status
- Energy saving per workstation (with PC, monitor and printer) up to 150 kWh/year



Numerous appliances both at home and at work can be used significantly more efficiently with a simple-to-operate timer switch. The timer switch never forgets, and so the user need not be concerned with switching on and off.

• Switches connected devices automatically on and off within the preset time window

Energy measuring instrument GREEN

Identifying "power guzzlers" is essential if monitoring and reduction of energy consumption is to be effective. This energy measuring instrument gives a complete and clear overview of which device or group of devices is consuming excessive power. It measures energy consumption (kWh) and current effective power (W), thus enabling the desired savings to be made.

- For monitoring energy consumption and advance energy cost calculation for the devices connected
- With plug adaptor for mobile use with different consumers

These figures do not refer to the product shown specifically and are not a part of the product offer but are provided solely for purposes of comparison.



Energy measurement instruments p. 291

Timer switches p. 292



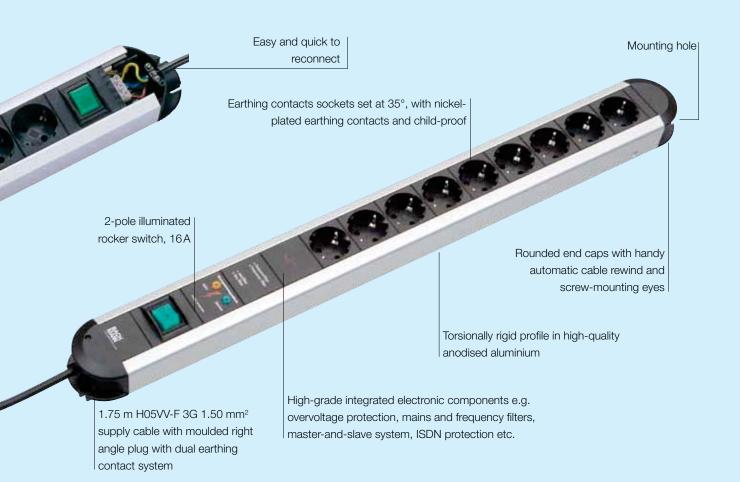




CONNECTUS automatic switchoff p. 226

Button

Socket outlets



PRIMO Power strips for professionals.

The advantages at a glance

- Professional quality
- Full range
- Attractive modern design

• Exclusive to the specialist trade

- Tested components
- Halogen and PVC-free socket recesses



 1.75 m supply cable: H05VV-F 3G 1.50 mm², socket inserts, black with moulded right angle plug with earthing contact

| Art. no. Version | | Dimensions: (L x W x H) |
|------------------|--|----------------------------|
| PRIMO | | |
| Without sv | vitch | |
| 331.000 | · 3 socket outlets with earthing contact, black | · approx. 304 x 71 x 46 mm |
| 331.010 | · 6 socket outlets with earthing contact, black | · approx. 431 x 71 x 46 mm |
| 331.011 | · 9 socket outlets with earthing contact, black | · approx. 560 x 71 x 46 mm |
| 331.012 | · 12 socket outlets with earthing contact, black | • approx. 690 x 71 x 46 mm |
| | 3 | |

| PRIMO | PRIMO | | | |
|-------------|--|----------------------------|--|--|
| 1 x switch, | green | | | |
| 330.070 | · 3 socket outlets with earthing contact, black | · approx. 304 x 71 x 54 mm | | |
| 330.071 | · 6 socket outlets with earthing contact, black | · approx. 431 x 71 x 54 mm | | |
| 330.072 | · 9 socket outlets with earthing contact, black | · approx. 560 x 71 x 54 mm | | |
| 330.073 | · 12 socket outlets with earthing contact, black | • approx. 690 x 71 x 54 mm | | |

| PRIMO, 6 x earthing contact | | | |
|-----------------------------|--|----------------------------|--|
| 1 x overvo | Itage protection, without switch | | |
| 331.014 | · 6 socket outlets with earthing contact | · approx. 474 x 71 x 47 mm | |
| | Overvoltage and transient protection | | |
| | · Discharge current 6.5 kA | | |

| PRIMO, 6 x earthing contact | | | | | |
|---|--|----------------------------|--|--|--|
| 1 x overvoltage protection, 1 x switch, green | | | | | |
| 331.013 | · 6 socket outlets with earthing contact | · approx. 474 x 71 x 54 mm | | | |
| | · Overvoltage and transient protection | | | | |
| | · Discharge current 6.5 kA | | | | |
| | · Green switch | | | | |
| | 1 | | | | |
| PRIMO | | | | | |

| | 1 x overvol | 1 x overvoltage protection + mains and frequency filters, without switch | | |
|--|--|--|----------------------------|--|
| | Overvoltage protection + mains and frequency filters | | | |
| | 331.006 | · 6 socket outlets with earthing contact | · approx. 515 x 71 x 47 mm | |
| | 331.007 | · 9 socket outlets with earthing contact | · approx. 645 x 71 x 47 mm | |

| Р | R | 1 | Л | C |) |
|---|---|---|---|----------|---|
| | | | - | <u> </u> | |

| | 1 x overvoltage protection + mains and frequency filters, 1 x switch, green | | | | |
|----------------|---|--|----------------------------|--|--|
| | Overvoltage protection + mains and frequency filters | | | | |
| · Green switch | | | | | |
| | | · approx. 560 x 71 x 54 mm | | | |
| | | · 9 socket outlets with earthing contact | · approx. 690 x 71 x 54 mm | | |

Overvoltage protection with filter

Overvoltage protection - conforms to DIN VDE 0620-1:01-2002, EN 61643-11:08-2007, type 3, discharge current 6.5 kA, response time < 25 nS. Suitable for 16A (miniature fuse on request) with varistors, temperature fuse, gas discharge arrester, visual LED function and failure indicator (acoustic signalling also available on request).

Mains and frequency filters - conforming to VDE 0565-3:05-2006 for voltage peaks up to 30 MHz, damping diagram on data sheet.

Socket outlets









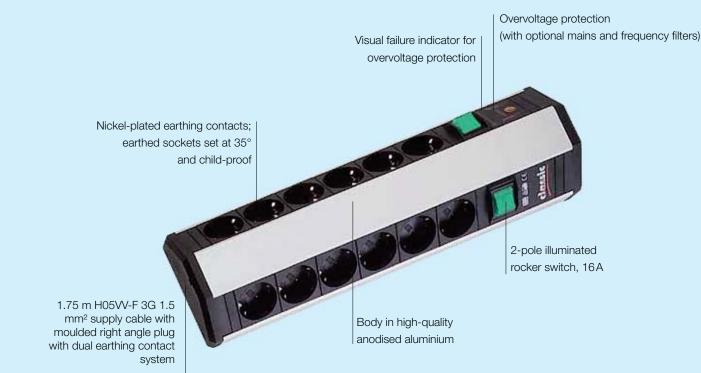
 \cdot 1.75 m supply cable: H05VV-F 3G 1.50 mm² with moulded right angle plug with earthing contact

| Art | . no. | Version | Dimensions: (L x W x H) |
|------------------|--------------------------|--|--|
| PR | RIMO, 6 | x earthing contact | |
| 1 x | | Itage protection + mains and frequency filters, 1 x ISDN p | rotection, 1 x green switch |
| Art 1 x 33 | 1.074* | 6 socket outlets with earthing contact Overvoltage protection + mains and frequency filters ISDN overvoltage protection for 1 x ISDN input, 3 x ISDN output | • approx. 645 x 71 x 54 mm |
| GREEN | RIMO, 1 | + 6 x earthing contact | |
| | aster & s | lave | |
| 332 | 2.071 | 1 + 6 socket outlets with earthing contact With threshold value setting | • approx. 573 x 71 x 47 mm |
| | RIMO, 1 | + 6 x earthing contact | |
| GREEN | aster & s | lave, with overvoltage protection + mains and frequency f | ilters |
| 333 | 3.071 | 1 + 6 socket outlets with earthing contact With threshold value setting Overvoltage protection + mains and frequency filters | · approx. 695 x 71 x 47 mm |
| | | u with USB charger | |
| | | outlets with earthing contact | |
| NEW 33: | 1.154 | Socket inserts set at 35° Double USB charging port with 2150 mA Green switch 1.75 m H05VV-F 3G 1.5 mm² supply cable, black with right angle plug with earthing contact | • approx. 560 x 71 x 54 mm |
| PR | RIMO, 5 | x earthing contact | |
| | | cket outlet spacing, without switch | |
| | | connecting mains supply unit plugs | |
| | 1.032 | · 5 socket outlets with earthing contact, black | · approx. 515 x 71 x 46 mm |
| PR | RIMO, 6 | x earthing contact | |
| | red, with 1.040 | Nout switch · 6 red socket outlets with earthing contacts for IT circuits | • approx. 390 x 71 x 46 mm |
| PR | RIMO, 6 | x earthing contact | |
| 1 x | residua | al current device | |
| 1x 33 | 1.035 | 6 socket outlets with earthing contact 30 A residual current device Tripping time < 30 mS 2-pin | · approx. 516 x 71 x 83 mm |
| | 3, discharg discharge | nge protection with filter: Overvoltage protection - conforms to DIN V ge current 6.5 kA, response time < 25 nS. Suitable for 16A (miniature fus arrester, visual LED function and failure indicator (acoustic signalling also g to VDE 0565-3:05-2006 for voltage peaks up to 30 MHz, damping diagra | e on request) with varistors, temperature fuse, gas available on request). Mains and frequency filters - |

* No storage type

PRIMO – Product matrix

| | | | 095 | 999 | P F | PRIM | 0 – | Proc | duct | matr | rix |
|----------|--------------|----------------|--------------------------------------|------------------------|------------------------------------|-----------------------------|----------------|----------------------------------|----------------|-------------|--------------|
| PRIMO | Country code | Socket outlets | Switch | Overvoltage protection | Overvoltage protection for ISDN | Mains and frequency filters | Master & slave | 30 mA residual current device | Can be rewired | Child-proof | Length in mm |
| 331.000 | DE | 3 | - | - | - | - | - | - | yes | yes | 304 |
| 330.070 | DE | 3 | yes | - | - | - | - | - | yes | yes | 304 |
| 331.032 | DE | 5 | 85 mm socket outlet spacing | | | | | | yes | yes | 515 |
| 331.010 | DE | 6 | - | - | - | - | - | - | yes | yes | 431 |
| 331.040 | DE | 6 | - | - | - | - | - | - | yes | yes | 390 |
| 331.035 | DE | 6 | - | - | - | - | - | yes | yes | yes | 516 |
| 330.071 | DE | 6 | yes | - | - | - | - | - | yes | yes | 431 |
| 331.014 | DE | 6 | - | yes | - | - | - | - | yes | yes | 474 |
| 331.013 | DE | 6 | yes | yes | - | - | - | - | yes | yes | 474 |
| 331.006 | DE | 6 | - | yes | - | yes | - | - | yes | yes | 515 |
| 331.071 | DE | 6 | yes | yes | - | yes | - | - | yes | yes | 560 |
| 331.074* | DE | 6 | yes | yes | yes | yes | - | - | yes | yes | 645 |
| 332.071 | DE | 1+6 | - | - | - | - | yes | - | yes | yes | 573 |
| 333.071 | DE | 1+6 | - | yes | - | yes | yes | - | yes | yes | 695 |
| 331.154 | DE | 8 | yes | - | - | - | - | - | yes | yes | 560 |
| 331.011 | DE | 9 | - | - | - | - | - | - | yes | yes | 560 |
| 330.072 | DE | 9 | yes | - | - | - | - | - | yes | yes | 560 |
| 331.007 | DE | 9 | - | yes | - | yes | - | - | yes | yes | 645 |
| 331.072 | DE | 9 | yes | yes | - | yes | - | - | yes | yes | 690 |
| 331.012 | DE | 12 | - | - | - | - | - | - | yes | yes | 690 |
| 330.073 | DE | 12 | yes | - | - | - | - | - | yes | yes | 690 |



DUO High-grade power strip.



The advantages

- Installation kit with fixing screws included at a glance
 - High-quality ergonomic power strip
 - Clear connection system

 \cdot 12 German-type socket outlets, rotated 35° · 2 x switch, green; one switch per side

Max. 16A/3680W

DUO 2 x 6 earthing contact

335.009

1 x overvoltage protection, 2 x switch

· Supply cable: 1.75 m H05VV-F 3G 1.50 mm², black, with moulded right-angle plug with dual earthing contact system; socket inserts black, set at 35°, child-proof



| Art. no. | Version | Dimensions: (L x W x H) |
|------------|---|-------------------------|
| DUO 6 x e | arthing contact | Aluminium |
| 1 x switch | | |
| 335.002 | · 6 German-type socket outlets, rotated 35° | · 240 x 116 x 60 mm |
| | · 1 x switch, green | |

Aluminium

· 405 x 116 x 60 mm



| DUO 6 x e | arthing contact | | Aluminium | | |
|---|---|---------------------|-----------|--|--|
| 1 x overvoltage protection with mains and frequency filters, 1 x switch | | | | | |
| 335.007 | · 6 German type socket outlets, rotated 35° | · 325 x 116 x 60 mm | | | |
| | · 1 x switch, green | | | | |

Nickel-plated earthing contacts; earthed sockets set at 35° and child-proof

2-pole illuminated rocker switch, 16A



Visual failure indicator for overvoltage protection (with optional mains and frequency filters)



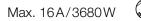
Body in high-quality anodised aluminium

1.75 m H05VV-F 3G 1.5 mm² supply cable with moulded right angle plug with dual earthing contact system

COMPACT Socket tower.

| The advantages | ٠ |
|----------------|---|
| at a glance | ٠ |

- Ideal for large number of plugs in limited space
 Attractive design
- Mounting accessories included

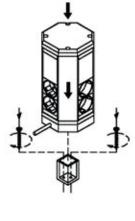


• Supply cable: 1.75 m H05VV-F 3G 1.50 mm², black, with moulded right-angle plug with dual earthing contact system; socket inserts black, set at 35°, child-proof

| Art. no. Version | | Dimensions: (L x W x H) | |
|------------------|--|-------------------------|-----------|
| COMPACT | 8 x earthing contact | | Aluminium |
| 1 x switch | | | |
| 334.006 | 8 German type socket outlets, rotated 35° 1 x switch, green | · 116 x 116 x 179 mm | |

| COMPACT 12 x earthing contact | | | | |
|-------------------------------|---|----------------------|--|--|
| 1 x switch | | | | |
| 334.001 | 12 German type socket outlets, rotated 35° 1 x switch, green | • 116 x 116 x 222 mm | | |

| COMPACT | Aluminium | | |
|-------------|---|----------------------|--|
| 1 x overvol | tage protection with mains and frequency filters, 1 x switc | h | |
| 334.003 | \cdot 9 German-type socket outlets, rotated 35° | · 116 x 116 x 222 mm | |
| | \cdot Overvoltage protection with mains and frequency filters | | |
| | · 1 x switch, green | | |





CONNECTUS Modular plastic power strip.

The advantages | • Very

at a glance

• Very good value for money

- Exclusive to the specialist trade
- Wide range
- High-grade technology
- Tested components
- Halogen and PVC-free socket recesses



· Supply cable: 2.0 m H05VV-F 3G 1.50 mm², black

| Art. no. | Version | Dimensions: (L x W x H) |
|------------|---|----------------------------|
| CONNECT | US | |
| 1 x rocker | switch, orange | |
| 330.100 | · 4 socket outlets with earthing contact | · approx. 355 x 72 x 49 mm |
| 330.101 | · 6 socket outlets with earthing contact | · approx. 440 x 72 x 49 mm |
| 330.102 | · 9 socket outlets with earthing contact | · approx. 570 x 72 x 49 mm |
| 330.103 | 12 socket outlets with earthing contact | · approx. 695 x 72 x 49 mm |





| CONNECTUS 6 x earthing contact | | | | | | |
|--|--|----------------------------|--|--|--|--|
| 1 x overvoltage protection + mains and frequency filters, 1 x orange rocker switch | | | | | | |
| 330.105 | · 6 socket outlets with earthing contact | · approx. 568 x 72 x 49 mm | | | | |
| | \cdot Overvoltage protection + mains and frequency filters | | | | | |
| | Optical function and fail indicator | | | | | |

| (| CONNECTUS 1 + 4 x earthing contact | | | | | | | |
|---|------------------------------------|---|----------------------------|--|--|--|--|--|
| ľ | Master & s | lave | | | | | | |
| 3 | 330.106 | 1 master + 4 slave socket outlets with earthing contact With threshold value setting | • approx. 480 x 72 x 42 mm | | | | | |

CONNECTUS 1 + 4 x earthing contact

CONNECTUS 6 x earthing contact

330.104

1 x overvoltage protection, 1 x orange rocker switch

· Overvoltage protection

 \cdot 6 socket outlets with earthing contact

· Optical function and fail indicator

Master & slave, with overvoltage protection + mains and frequency filters 330.107 · 1 master + 4 slave socket outlets with earthing contact · With threshold value setting · Overvoltage protection + mains and frequency filters \cdot Optical function and fail indicator

· approx. 610 x 72 x 49 mm

· approx. 480 x 72 x 49 mm









Supply cable: 2.0 m H05VV-F 3G 1.00 mm², with black IEC non-heating appliance plug, type C14, red socket outlets

| | Art. no. | Version | Dimensions: (L x W x H) |
|-------------|---|---|----------------------------|
| | CONNECT | rUS, 3 x earthing contact | |
| | 1 x 10A fu | se | |
| C. C. C. C. | 330.300 | · 3 socket outlets with earthing contact, red · 10A miniature fuse | • approx. 273 x 72 x 46 mm |
| | Foot-oper Activating | A/3680W () The formula of the foot switch with 2-pole cutout the foot switch halts unnecessary standby power consume y mode by the connected devices | nption |
| | | | |
| | Art. no. | Version | Dimensions: (L x W x H) |
| | CONNECT | TUS Energy Saver | |
| | | tivated switch | |
| GREEN | 330.142 | Function LED in foot-activated switch 1.5 m H05VV-F 4G 1.50 mm² cable to switch 6 socket outlets with earthing contact | • approx. 442 x 72 x 49 mm |
| 1 | 6 y earth c | ontact black/grey, child-proof, 1 x foot-activated switch with L | ED black |
| | 330.153 | H05VV-F 3G 1.50 mm² supply cable, 1.5 m, black, to plug H05VV-F 4G 1.50 mm², 1.5 m, black, to foot switch 1 x full equipment protection (OVP + mains and frequency filters) Does not open, cannot be reconnected Packaged in carton | • approx. 572 x 72 x 49 mm |
| | Max. 16A | v/3680W 💿 💻 ble: 2.0 m H05VV-F 3G 1.50 mm², black with right angle | plug with earthing contact |
| | | utton (foot-activated switch) on 2.0 m cable off standby consumption from master socket | |
| | Art. no. | Version | Dimensions: (L x W x H) |
| • | CONNECT | rus | |
| GREEN | 1 x integra 330.140 | ted automatic switchoff device • 1 master + 4 slave German-type socket outlets • With integral automatic switchoff device with external button • With threshold value setting | • approx. 538 x 72 x 49 mm |

Overvoltage protection with filter: Overvoltage protection - conforms to DIN VDE 0620-1:01-2002, EN 61643-11:08-2007, type 3, discharge current 6.5 kA, response time < 25 nS. Suitable for 16A (miniature fuse on request) with varistors, temperature fuse, gas discharge arrester, visual LED function and failure indicator (acoustic signalling also available on request). Mains and frequency filters - conforming to VDE 0565-3:05-2006 for voltage peaks up to 30 MHz, damping diagram on data sheet.





· Supply cable: 2.0 m H05VV-F 3G 1.50 mm², black

| Art. no. | Version | Dimensions: (L x W x H) | |
|-----------------------|---|----------------------------|-------------------|
| CONNECT | rus | | 1979 |
| 1 x rocker | switch, orange | | |
| 330.100F | · 4 UTE socket outlets | · approx. 355 x 72 x 49 mm | E Sta |
| 330.101F | · 6 UTE socket outlets | • approx. 440 x 72 x 49 mm | |
| CONNECT | TUS 6 x UTE socket outlets | | |
| | Itage protection + mains and frequency filters, 1 x orange | rocker switch | The second second |
| 330.104F* | • 6 UTE socket outlets • Overvoltage protection + mains and frequency filters • Optical function and fail indicator | • approx. 480 x 72 x 49 mm | a start |
| CONNECT Master & s | TUS 1 + 4 x UTE socket outlets | | 1000 |
| 330.106F* | • 1 master + 4 slave socket outlets with earthing contact • With threshold value setting | • approx. 480 x 72 x 49 mm | |

| CONNECTUS 6 x UTE socket outlets | | | | | | | | | | |
|--|---|----------------------------|--|--|--|--|--|--|--|--|
| 1 x overvoltage protection + mains and frequency filters, 1 x orange rocker switch | | | | | | | | | | |
| 330.104F* | 6 UTE socket outlets Overvoltage protection + mains and frequency filters Optical function and fail indicator | • approx. 480 x 72 x 49 mm | | | | | | | | |
| CONNECT | US 1 + 4 x UTE socket outlets | | | | | | | | | |

CONNECTUS – Product matrix

| CONNECTUS | Country code | Socket outlets | Switch | Foot switch with function LED with 1.5 m cable | Foot switch without function LED with 2 m cable | Overvoltage protection | Mains and frequency filters | Master & slave | Master & slave with automatic switchoff device | Can be rewired | Child-proof | Length in mm |
|-----------|--------------|----------------|---|--|--|------------------------|-----------------------------|----------------|--|----------------|-------------|--------------|
| 330.100 | DE | 4 | yes | - | | - | - | - | - | - | yes | 355 |
| 330.106 | DE | 1+4 | - | - | - | - | - | yes | - | - | yes | 480 |
| 330.140 | DE | 1+4 | - | - | yes | - | - | - | yes | - | yes | 538 |
| 330.107 | DE | 1+4 | - | - | - | yes | yes | yes | - | - | yes | 610 |
| 330.101 | DE | 6 | yes | - | | - | - | - | - | - | yes | 440 |
| 330.142 | DE | 6 | - | yes | - | - | - | - | - | - | yes | 442 |
| 330.104 | DE | 6 | yes | | | yes | - | - | - | - | yes | 480 |
| 330.105 | DE | 6 | yes | - | - | yes | yes | - | - | - | yes | 568 |
| 330.153 | DE | 6 | - | yes | - | yes | yes | - | - | - | yes | 572 |
| 330.102 | DE | 9 | yes | - | | - | - | - | - | - | yes | 570 |
| 330.103 | DE | 12 | yes | - | | - | - | - | - | - | yes | 695 |
| 330.300 | DE | 3 | with IEC non- heating appliance miniature 10A fuse | | | | | | | - | yes | 273 |
| 330.100F | UTE | 4 | yes | - | | - | - | - | - | yes | yes | 355 |
| 330.106F* | UTE | 1+4 | - | - | - | - | - | yes | - | yes | yes | 480 |
| 330.101F | UTE | 6 | yes | - | | - | - | - | - | yes | yes | 440 |
| 330.104F* | UTE | 6 | yes | - | | yes | yes | - | - | yes | yes | 480 |



TRADESMAN'S STRIP

Robust, professional quality plastic strip.

With increased distance between socket outlets, allowing easy positioning of mains adaptor plugs and operating equipment.

Tradesman's strip set at 90°



 \cdot Supply cable: 2.0 m H05VV-F 3G 1.50 mm², black with right angle plug with earthing contact Socket inserts, black, 15 mm spacing between sockets

| Art. no. | Version | Dimensions: (L x W x H) | |
|------------|---|----------------------------|------------|
| Power str | ip 90° | | |
| Without sv | vitch | | |
| 300.000 | · 6 socket outlets with earthing contact | • approx. 445 x 74 x 45 mm | 19" |
| 300.001 | · 9 socket outlets with earthing contact | • approx. 617 x 74 x 45 mm | 000 000 |
| 300.002 | · 12 socket outlets with earthing contact | • approx. 790 x 74 x 45 mm | 1 0000 000 |

| 1 x rocker s | switch, green | | 19" |
|--------------|---|----------------------------|-----------|
| 300.003 | · 6 socket outlets with earthing contact | · approx. 445 x 74 x 45 mm | 000 00 |
| 300.004 | · 9 socket outlets with earthing contact | · approx. 617 x 74 x 45 mm | 100 000 |
| 300.005 | · 12 socket outlets with earthing contact | · approx. 790 x 74 x 45 mm | 1 000 000 |
| | | | |

45 mm

| i x overvoltage protection, i x rocker switch, green | | | | | | | | | |
|--|--|----------------------------|--|--|--|--|--|--|--|
| 300.011 | \cdot 6 socket outlets with earthing contact | · approx. 490 x 74 x 45 mm | | | | | | | |

| 1 x overvo | Itage protection + mains and frequency filters, 1 x rocker s | switch, green |
|------------|--|----------------------|
| 300.012 | · 6 socket outlets with earthing contact | • approx. 575 x 74 x |

Overvoltage protection with filter:

at the second second

1

Overvoltage protection - conforms to DIN VDE 0620-1:01-2002, EN 61643-11:08-2007, type 3, discharge current 6.5 kA, response time < 25 nS. Suitable for 16A (miniature fuse on request) with varistors, temperature fuse, gas discharge arrester, visual LED function and failure indicator (acoustic signalling also available on request).

Mains and frequency filters - conforming to VDE 0565-3:05-2006 for voltage peaks up to 30 MHz, damping diagram on data sheet.







Tradesman's strip set at 90°



 \cdot Supply cable: 2.0 m H05VV-F 3G 1.50 mm², black with right angle plug with earthing contact

 \cdot Socket inserts, black, 15 mm spacing between sockets

| | Art. no. | Version | Dimensions: (L x W x H) | | |
|-------------|--|---|----------------------------|--|--|
| USB CHARGER | Tradesma | n's strip with USB charger | | | |
| | 5 x socket outlets with earthing contact | | | | |
| D. Gagaa | 300.030 | Socket inserts set at 90° · Double USB charging port with 2150 mA · Green switch · 2.0 m H05VV-F 3G 1.5 mm ² supply cable, black with right angle plug with earthing contact | • approx. 445 x 74 x 45 mm | | |

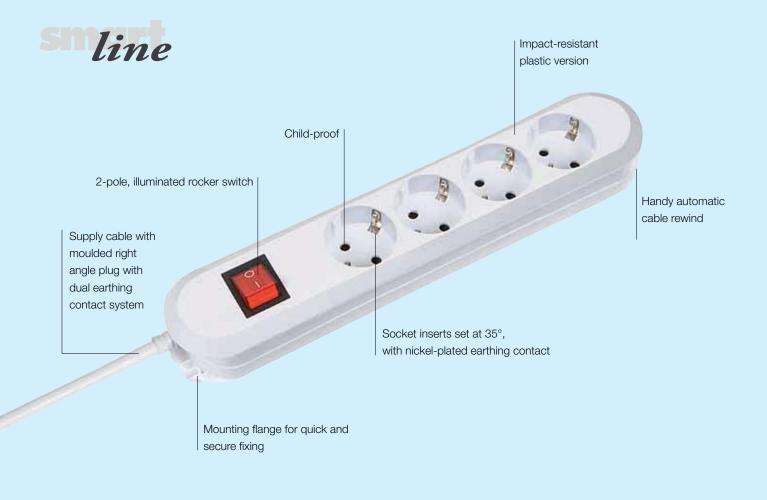
Tradesman's strip set at 35°

| Supply cable: 2.0 m H05VV-F 3G 1.50 mm², black |
|---|
| Screwing dimension 465 mm, socket outlets set at 35° |

| | Art. no. | Version | Dimensions: (L x W x H) | | | | |
|-----|-----------------|--|----------------------------|--|--|--|--|
| | Power strip 35° | | | | | | |
| | Without sw | itch | | | | | |
| 19" | 300.006 | · 8 socket outlets with earthing contact | · approx. 445 x 74 x 45 mm | | | | |
| 0.0 | 1 x rocker s | switch, green | | | | | |
| 19" | 300.007 | 7 socket outlets with earthing contact In neutral PVC pouch | • approx. 445 x 74 x 45 mm | | | | |

Tradesman's strip – Product matrix

| Tradesman's strip – Product ma | | | | | | | | | | matrix |
|--------------------------------|-------------------|--------------|------------------------------|--------|------------------------|--------------------------------|----------------|-------------|------|--------------|
| (LLL) | TRADESMAN'S STRIP | Country code | Socket outlets set at 90° | Switch | Overvoltage protection | Mains and frequency filters | Can be rewired | Child-proof | Note | Length in mm |
| | 300.030 | DE | 5 | yes | - | - | yes | - | USB | 445 |
| | 300.000 | DE | 6 | - | - | - | yes | - | 19" | 445 |
| | 300.003 | DE | 6 | yes | - | - | yes | - | 19" | 445 |
| | 300.011 | DE | 6 | yes | yes | - | yes | - | - | 490 |
| | 300.007 | DE | 7 (35°) | yes | - | - | yes | - | 19" | 445 |
| | 300.006 | DE | 8 (35°) | - | - | - | yes | - | 19" | 445 |
| | 300.001 | DE | 9 | - | - | - | yes | - | - | 617 |
| | 300.004 | DE | 9 | yes | - | - | yes | - | - | 617 |
| | 300.002 | DE | 12 | - | - | - | yes | - | - | 790 |
| | 300.005 | DE | 12 | yes | - | - | yes | - | - | 790 |
| | 300.012 | DE | 6 | yes | yes | yes | yes | - | - | 575 |



SMART Desk socket outlet in specialist trade quality.

The advantages | • Exclusive to the specialist trade

at a glance

- Specialised trade design
- For professional use
- Tested quality
- Product variants:
- Screwed and rewireable
- Overvoltage protection

 \cdot 3 x socket outlets with earthing contact

Č,

· Supply cable: H05VV-F 3G 1.50 mm²

 \cdot 3 earthing contact socket outlets, child-proof

· Black

· White

385.170

385.270

| Art. no. | Version | Unit |
|--------------|--|--------------------------------------|
| SMART (n | ot rewireable) | Dimensions: approx. 185 x 56 x 41 mm |
| 1.5 m supp | bly cable, screwed (single use screws), without switch | |
| · 3 earthing | contact socket outlets, child-proof | |
| 387.170 | · Black | 20 items |
| 387.270 | ·White | 20 items |
| 3.0 m supp | bly cable, screwed (single use screws), without switch | |
| · 3 earthing | contact socket outlets, child-proof | |
| 387.171 | · Black | 20 items |
| 387.271 | · White | 20 items |
| 5.0 m supp | bly cable, screwed (single use screws), without switch | l l |
| · 3 earthing | contact socket outlets, child-proof | |
| 387.172 | · Black | 15 items |
| 387.272 | · White | 15 items |



| Art. no. Version | Unit |
|---|--------------------------------------|
| SMART (rewireable) | Dimensions: approx. 185 x 56 x 41 mm |
| 1.5 m supply cable, screwed (reusable screws), without switch | |
| · 3 earthing contact socket outlets, child-proof | |
| 388.170 · Black | 20 items |
| 388.270 · White | 20 items |
| 3.0 m supply cable, screwed (reusable screws), without switch | |
| · 3 earthing contact socket outlets, child-proof | |
| 388.171 · Black | 20 items |
| 388.271 · White | 20 items |
| 388.471 · Brown | 20 items |
| 388.371 · Red | 20 items |
| 5.0 m supply cable, screwed (reusable screws), without switch | |
| · 3 earthing contact socket outlets, child-proof | |
| 388.172 · Black | 15 items |
| 388.272 · White | 15 items |
| Without supply cable, screwed (reusable screws), without switch | |





20 items

20 items

0







| Supply cab | le: H05VV-F 3G 1.50 mm ² | |
|--------------------------------|---|-----------------------------|
| Art. no. | Version | Unit |
| SMART 4 x | earthing contact Dimensions | a: approx. 288 x 56 x 41 mm |
| 1.5 m suppl | y cable, screwed (reusable screws), rewireable, without switch | |
| · 4 earthing | contact socket outlets, child-proof | |
| 381.121K | · Black | 20 items |
| 381.221K | ·White | 20 items |
| 1.5 m suppl | y cable, 1 x switch, screwed (reusable screws), rewireable | |
| · 4 earthing | contact socket outlets, child-proof | |
| 381.130K | · Black | 20 items |
| 381.230K | ·White | 20 items |
| SMART 6 x | earthing contact Dimensions | approx. 370 x 56 x 41 mm |
| 1 x overvolt | age protection, 1 x switch, 1.5 m supply cable, screwed (screws non-real | usable), non-rewireable |
| · 6 earthing | contact socket outlets, child-proof | |
| Overvoltag | e protection consisting of: 2 varistors, nominal discharge current 6.5 kA, 16 | βA, |
| 3680 W, tem | perature fuse and visual fail indicator | |
| 381.2501K | ·White | 20 items |
| SMART 6 x | earthing contact Dimensions | approx. 340 x 56 x 41 mm |
| 1.5 m suppl | y cable, screwed (reusable screws), rewireable, without switch | |
| · 6 earthing | contact socket outlets, child-proof | |
| 381.147K | · Black | 20 items |
| 381.247K | ·White | 20 items |
| 3.0 m suppl | y cable, screwed (reusable screws), rewireable, without switch | |
| · 6 earthing | contact socket outlets, child-proof | |
| 381.148K | · Black | 20 items |
| 381.248K | ·White | 20 items |
| 5.0 m suppl | y cable, screwed (reusable screws), rewireable, without switch | |
| · 6 earthing | contact socket outlets, child-proof | |
| 381.149K | ·Black | 15 items |
| 381.249K | ·White | 15 items |
| Without sur | ply cable, screwed (reusable screws) rewireable, without switch | |
| | contact socket outlets, child-proof | |
| 381.146K | ·Black | 20 items |
| 381.246K | ·White | 20 items |
| 1.5 m supp | y cable, 1 x switch, screwed (reusable screws), rewireable | |
| | contact socket outlets, child-proof | |
| 381.150K | · Black | 20 items |
| 381.250K | ·White | 20 items |
| 381.450K | · Brown | 20 items |
| 3.0 m supp | y cable, 1 x switch, screwed (reusable screws) rewireable | |
| | contact socket outlets, child-proof | |
| 381.151K | ·Black | 20 items |
| 381.251K | ·White | 20 items |
| 5.0 m supp | y cable, 1 x switch, screwed (reusable screws), rewireable | |
| | contact socket outlets, child-proof | |
| 381.152K | Black | 15 items |
| 381.252K | ·White | 15 items |
| 30.120210 | I ······ | |

236 / bachmann.com

| Max. 16A/3680W 😳 🚺 | | |
|---|-------------|--------------------|
| Supply cable: H05VV-F 3G 1.50 mm ² , white | | |
| Art. no. Version | | Unit |
| SMART 3 x UTE Dimension | s: approx | . 185 x 56 x 41 mm |
| 1.5 m supply cable, screwed (reusable screws), rewireable, without switch | | |
| 3 UTE, child-proof | | |
| 388.270F · White | | 20 items |
| 3.0 m supply cable, screwed (reusable screws), rewireable, without switch | | |
| 3 UTE, child-proof | | |
| 388.271F · White | | 20 items |
| SMART 6 x UTE Dimension | s: approx | . 340 x 56 x 41 mm |
| 1.5 m supply cable, 1 x switch, screwed (reusable screws), rewireable, child-proof | | |
| · 6 UTE, child-proof | | |
| 381.250F · White | | 20 items |
| 3.0 m supply cable, screwed (multi-use), rewireable, child-proof, 1 x overvoltage pr | otection, - | 1 x switch |
| · 6 UTE, child-proof | | |
| \cdot Overvoltage protection consisting of: 2 varistors, nominal discharge current 6.5 kA, 10 | 6A, | |
| 3,600W, temperature fuse and visual fail indicator | | |
| 381.2512K · White | | 20 items |
| 381.2507K · Black | | 20 items |





Screw mounting for SMART power strips

 \cdot Attaches to desk/table with screw mounting, e.g. on the edge of a desk

 \cdot Can be positioned lengthwise or crosswise

| Art. no. | Version | Unit | |
|---------------|--|--------|--|
| SMART de | sk attachment | | |
| For all rewir | reable (reusable screws) power strips, plastic version | | |
| 919.273 | · White | 1 item | |

SMART – Product matrix

| CAL | MATERIALS | SN | /IART / Plastic | : | | 1 | | \mathbf{O} | |
|-----|------------------------|--------------|------------------------|--------|----------------------------------|------------------------|----------------|--------------|--------------|
| S | SMART – Product matrix | | | | | | | | |
| | SMART | Country code | Socket outlets | Switch | Length Supply cable in meters | Overvoltage protection | Can be rewired | Child-proof | Length in mm |
| | white | | | | | | | | |
| | 387.270 | DE | 3 | - | 1.5 | - | - | yes | 185 |
| | 387.271 | DE | 3 | - | 3 | - | - | yes | 185 |
| | 387.272 | DE | 3 | - | 5 | - | | yes | 185 |
| | 385.270 | DE | 3 | - | - | - | yes | yes | 185 |
| | 388.270 | DE | 3 | - | 1.5 | - | yes | yes | 185 |
| | 388.271 | DE | 3 | - | 3 | - | yes | yes | 185 |
| | 388.272 | DE | 3 | - | 5 | - | yes | yes | 185 |
| | 381.221K | DE | 4 | - | 1.5 | - | yes | yes | 288 |
| | 381.230K | DE | 4 | yes | 1.5 | - | yes | yes | 288 |
| | 381.246K | DE | 6 | - | - | - | yes | yes | 340 |
| | 381.247K | DE | 6 | - | 1.5 | - | yes | yes | 340 |
| | 381.250K | DE | 6 | yes | 1.5 | - | yes | yes | 340 |
| | 381.2501K | DE | 6 | yes | 1.5 | yes | - | yes | 370 |
| | 381.248K | DE | 6 | - | 3 | - | yes | yes | 340 |
| | 381.251K | DE | 6 | yes | 3 | - | yes | yes | 340 |
| | 381.249K | DE | 6 | | 5 | - | yes | yes | 340 |
| | 381.252K | DE | 6 | yes | 5 | - | yes | yes | 340 |
| | black | | | | | | | | |
| | 387.170 | DE | 3 | - | 1.5 | - | - | yes | 185 |
| | 387.171 | DE | 3 | - | 3 | - | - | yes | 185 |
| | 387.172 | DE | 3 | - | 5 | - | - | yes | 185 |
| | 385.170 | DE | 3 | - | - | - | yes | yes | 185 |
| | 388.170 | DE | 3 | - | 1.5 | - | yes | yes | 185 |
| | 388.171 | DE | 3 | - | 3 | - | yes | yes | 185 |
| | 388.172 | DE | 3 | - | 5 | - | yes | yes | 185 |
| | 381.121K | DE | 4 | - | 1.5 | - | yes | yes | 288 |
| | 381.130K | DE | 4 | yes | 1.5 | - | yes | yes | 288 |

SMART – Product matrix

| SMART | Country code | Socket outlets | Switch | Length Supply cable in meters | Overvoltage protection | Can be rewired | Child-proof | Length in mm |
|----------|--------------|----------------|--------|----------------------------------|------------------------|----------------|-------------|--------------|
| 381.146K | DE | 6 | - | - | - | yes | yes | 340 |
| 381.147K | DE | 6 | - | 1.5 | - | yes | yes | 340 |
| 381.150K | DE | 6 | yes | 1.5 | - | yes | yes | 340 |
| 381.148K | DE | 6 | - | 3 | - | yes | yes | 340 |
| 381.151K | DE | 6 | yes | 3 | - | yes | yes | 340 |
| 381.149K | DE | 6 | | 5 | - | yes | yes | 340 |
| 381.152K | DE | 6 | yes | 5 | - | yes | yes | 340 |
| 381.249K | DE | 6 | | 5 | - | yes | yes | 340 |
| 381.252K | DE | 6 | yes | 5 | - | yes | yes | 340 |
| brown | | | | | | | | |
| 388.471 | DE | 3 | - | 3 | - | yes | yes | 185 |
| 381.450K | DE | 6 | yes | 1.5 | - | yes | yes | 340 |
| red | | | | | | | | |
| 388.371 | DE | 3 | - | 3 | - | yes | | 185 |
| | | | | | | | | |

| white | | | | | | | | |
|-----------|-----|---|-----|-----|-----|-----|-----|-----|
| 388.270F | UTE | 3 | - | 1.5 | - | yes | yes | 185 |
| 388.271F | UTE | 3 | - | 3 | - | yes | yes | 185 |
| 381.250F | UTE | 6 | yes | 1.5 | - | yes | yes | 340 |
| 381.2512K | UTE | 6 | yes | 3 | yes | yes | yes | 340 |
| black | | | | | | | | |
| 381.2507K | UTE | 6 | yes | 3 | yes | yes | yes | 340 |



· Supply cable: H05VV-F 3G 1.50 mm²









| Art. no. Version | Unit | | | | | |
|--|----------|--|--|--|--|--|
| 3 x earthing contact | | | | | | |
| Angled plug set at 45°, without switch | | | | | | |
| 3 earthing contact socket outlets, non child-proof | | | | | | |
| 387.270S · White, supply cable 1.5 m | 20 items | | | | | |
| 387.271S · White, supply cable 3.0 m | 20 items | | | | | |
| | | | | | | |
| Angled plug, set at 45°, 1 x switch, red | | | | | | |
| 3 x earthing contact socket outlets, child-proof | | | | | | |
| 384.270S · White, supply cable 1.5 m | 20 items | | | | | |
| | | | | | | |
| 6 x earthing contact | | | | | | |
| Angled plug set at 45°, without switch | | | | | | |
| 6 x earthing contact socket outlets, child-proof | | | | | | |
| 381.241S · White, supply cable 1.5 m | 20 items | | | | | |
| 381.141S · Black, supply cable 1.5 m | 20 items | | | | | |
| | | | | | | |
| Angled plug set at 45°, 1 x switch, red | | | | | | |
| 6 x earthing contact socket outlets, child-proof | | | | | | |
| 381.244S · White, supply cable 1.5 m | 20 items | | | | | |
| 381.144S · Black, supply cable 1.5 m | 20 items | | | | | |

Export versions (since a cable cross-section of 1.00 mm² is not permitted in Germany).

| | A. 8. 8. | |
|------|----------|--|
| 1 | 2.3.3 | |
| 10 | 3.9.2 | |
| 12.9 | 9.9.9.9 | |

| Art. no. Version | Unit | | | | | |
|---|--------------|--|--|--|--|--|
| 3 x earthing contact | | | | | | |
| 1 x red switch, 1.4 m supply cable H05VV-F 3G 1.00 mm ² , with right angle plug and | d set at 45° | | | | | |
| · 3 earthing contact socket outlets, non child-proof | | | | | | |
| 384.371S · White | 20 items | | | | | |
| | | | | | | |
| 6 x earthing contact | | | | | | |
| 1.4 m supply cable H05VV-F 3G 1.00 mm ² , with right angle plug and set at 45° , with | nout switch | | | | | |
| · 6 earthing contact socket outlets, child-proof | | | | | | |
| 381.340S · White | 20 items | | | | | |
| | | | | | | |
| 6 x earthing contact | | | | | | |
| 1 x red switch, 1.4 m supply cable H05VV-F 3G 1.00 mm ² , with right angle plug and set at 45° | | | | | | |
| · 6 earthing contact socket outlets, child-proof | | | | | | |
| 381.343S · White | 20 items | | | | | |
| | · | | | | | |

Max. 10/16A/250V~

| Art. no. Version | Unit | |
|--|----------------------|--------|
| Power strip | | |
| 1.5 m supply cable H05VV-F 3G 1.50 mm ² , screwed, rewireable with earthing conta | act right angle plug | 1 |
| 2 socket outlets with earthing contact | | |
| 380.270 · White | 25 items | |
| 1.5 m supply cable H05VV-F 3G 1.50 mm ² , screwed, rewireable with earthing conta | act right angle plug | 0000 |
| · 4 socket outlets with earthing contact | | C. Mar |
| 380.271 · White | 25 items | 1. |
| | | |
| | | |
| Multiple plug adaptor | | _ |
| Art. no. | Unit | |
| | | |
| Multiple plug adaptor, max. 2.5 A/250 V ~ | | - |
| 2 Euro plug sockets | | |
| 921.271 · White | 30 items | |

| Art. no. Version | | | Unit | |
|--|---|-----|----------|--|
| Surface-mounted star | dard ERGE socket outlet with earthing conta | ict | | |
| 1 x surface-mounted earthing contact socket, DIN 49 440 | | | | |
| 382.204 · Greenland | white | | 10 items | |
| 2 x surface-mounted earthing contact sockets, DIN 49 440 | | | | |
| 382.205 · Greenland | white | | 10 items | |



Overload protection

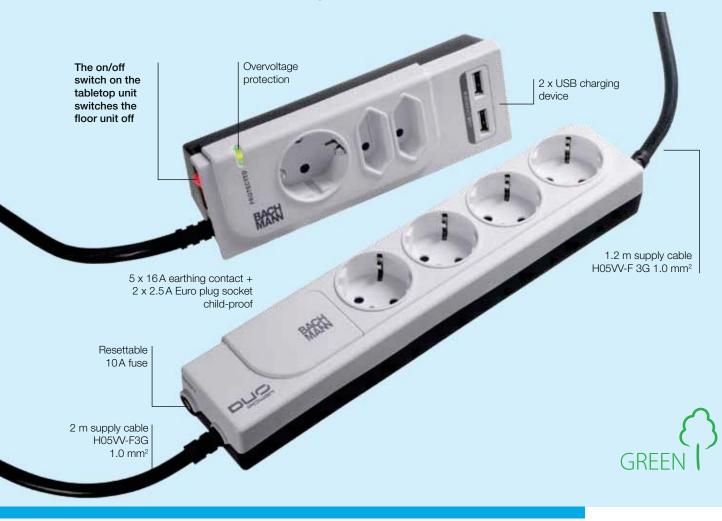
| Art. no. | Version | | Unit |
|----------|--|--|--------|
| | protection-power strip type 8110 | | |
| 2-way | | | |
| 924.164 | 230 V~, 50 Hz/16A For connecting two devices with high energy consumption (e.g. washing machines and driers) 1.5 m connector cable with plug | | 1 item |
| | 1 socket outlet with automatic cut-out, power dependent 1 socket outlet, carry current | | |
| | Dimension: 75 x 45 x 270 mm Screw-on | | |
| | · Weight 450 g | | |



Powercubes look good on any desk and combine modern design with practical versatility. They combine a range of functions in a compact, handy and space-saving form.

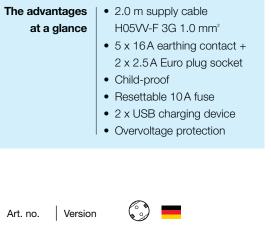
| The advantages | • Supply cable: 2.0 m H05VV-F 3G 1.00 mm ² , black, with right angle plug with |
|----------------|---|
| at a glance | earthing contact |
| | • Dimensions (L x W x H): 105 x 120 x 95 mm |
| | • Two fixed sockets and one socket moveable through 90°, with overvoltage protection |
| | Overvoltage protection and earthing indicators: The green LED indicates that the |
| | power network is securely earthed. The red LED indicates that the voltage protection |
| | unit is functioning correctly. |
| | • X3 multi-stage metal-oxide varistor absorbs power pulses and thus offers protection |
| | against high-energy voltage peaks |
| | |

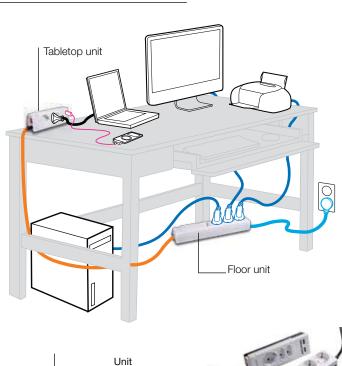
| | Art. no. | Version 📀 💻 | Unit |
|--------------|-----------|--|--------|
| | Powercub | e | |
| | Powercube | e, 3 x earthing contact sockets, 10 A/230 V | |
| - A | 335.050 | · Resettable 10 A fuse | 1 item |
| | | Headphone and microphone jacks | |
| | | · Overvoltage protection display | |
| | | · Earthing display | |
| | | · X3 multi-stage metal oxide varistor | |
| - | | High-frequency capacitor for noise reduction | |
| | | Safety cut-off technology | |
| | | · Child-proof | |
| 1 m | Powercube | e Protection, 3 x earthing contact sockets, 10 A/230 V | |
| 4 S | 335.051 | Additional features of Powercube Protection: | 1 item |
| and a series | | Telephone, fax, modem and network protection | |
| | | · USB 2.0 charging device with 2 ports | |



DUO POWER 16A and 2.5A / 250V

The on/off switch on the tabletop unit switches the floor unit off. This allows devices plugged into the floor unit (e.g. monitor, printer, PC etc.) to be isolated and standby currents avoided, while the tabletop unit continues to supply power e.g. for charging a mobile phone.





| Art. no. Version | Unit | 1.2.2 6 3.3 |
|---|--------|-------------|
| Duo Power | | 31 |
| 5 x 16A earthing contact + 2 x 2.5A Euro plug socket / 250V | | |
| 335.055 · Duo Power with overvoltage protection | 1 item | |



GARDEN POSTS Practical options for the garden.

| The advantages • | Earthing contact socket outlets, splashproof to IP44 | | | |
|------------------|--|--|--|--|
| at a glance • | Connecting block for connecting external supply cables for outdoor | | | |
| | use; minimum cable cross-section 1.5 mm², maximum 3.0 mm² | | | |
| • | Power columns for the garden in weatherproof polystone | | | |
| • | Granite look fits in to garden setting | | | |
| • | Allows easy use of garden equipment, lighting and irrigation | | | |
| | systems | | | |
| • | The timer model lets you programme electrical garden equipment to | | | |
| | switch on and off at specified times. Thus for example the garden | | | |
| | can be regularly watered even when nobody is at home. | | | |
| • | The model with the lamp provides a cosy atmosphere for garden | | | |
| | parties or illuminates the way to the door of the house. | | | |

Garden posts 🕄 💻

| Art. no. Version | |
|---|--------------------|
| Garden post, 4 x earthing contact | 160 x 160 x 280 mm |
| 1 x splash water protection | |
| 394.170 · 4 IP 44 German-type sockets for outdoor use | |

| Garden po | Garden post with timer, 2 x earthing contact | | | |
|--|--|--|--|--|
| 1 x splash water protection, 1 x timer | | | | |
| | 2 IP 44 German-type sockets for outdoor use Mechanical 24 h timer | | | |

| Garden po | ost with lamp, 2 x earthing contact | 150 x 150 x 460 mm |
|---------------------------------------|---|--------------------|
| 1 x splash water protection, 1 x lamp | | |
| 394.172 | · 2 IP 44 German-type sockets for outdoor use | |
| | · E 27 holder for energy-saving lamp, max. 11 W | |

Garden socket with earth spike, 16A/230V~, IP44

| Art. no. | Version | Unit |
|-------------|---|--------|
| Garden so | cket outlet | |
| 2.0 m cable | e: H07RN-F 3G 1.50 mm ² with central plug with earthing contact | |
| 394.180 | 2 x earthing contact socket outlets 230V~ With hinged lid, splashproof to IP44 Black | 1 item |
| 2.0 m cable | e: H07RN-F 3G 1.50 mm ² with central plug with earthing contact | |
| 394.182 | 4 x earthing contact socket outlets 230 V~ With hinged lid, splashproof to IP44 Black | 1 item |



160 x 160 x 280 mm

| Garden outlet, 3 x earthing contact sockets | | | | |
|--|---|--|--|--|
| 2.0 m cable: H07RN-F 3G 1.50 mm ² with central plug with earthing contact | | | | |
| 394.175 | 5 · 3 x earthing contact socket outlets, 230V~ 1 item | | | |
| | · With hinged lid, splashproof to IP44 | | | |
| | ·Green | | | |



Cooker connecting cable with end sleeves PVC, 70 °C

· End 1: 50 mm stripped with end sleeves



| | Art. no. | Length | Colour | | Unit |
|---|--------------|------------------------|---------|--|------------------|
| | H05VV-F 5 | G 1.50 mm ² | | | Ø approx. 9.5 mm |
| | Without pa | ckaging | | | |
| | 116.270 | 1.5 m | ·White | | 50 items |
| | 116.271 | 2.0 m | ·White | | 50 items |
| * | 116.272 | 3.0 m | · White | | 30 items |
| | Individually | packed | | | |
| | 116.280 | 1.5 m | · White | | 50 items |

· End 2: 110 mm stripped with end sleeves, 140 mm green/yellow protective conductor

| H05VV-F 3G 2.50 mm ² | Ø approx.10.1 mm |
|---------------------------------|------------------|
| Without packaging | |
| 118.270 1.5 m · White | 50 items |

| H05VV-F 5 | G 2.50 mm ² | Ø approx. 11.3 mm | | | | |
|---------------------|------------------------|-------------------|----------|--|--|--|
| Without packaging | | | | | | |
| 119.270 | 1.5 m | ·White | 50 items | | | |
| 119.271 | 2.0 m | ·White | 30 items | | | |
| 119.272 | 3.0 m | ·White | 20 items | | | |
| Individually packed | | | | | | |
| 119.280 | 1.5 m | · White | 50 items | | | |
| 119.281 | 2.0 m | · White | 30 items | | | |

Cooker connecting cable with fork-type lugs PVC, 70 °C

- · End 1: 50 mm stripped with end sleeves
- · End 2: 110 mm stripped with fork-type lugs M5, 140 mm green/yellow earth conductor

| - | Art. no. Length Colour | Unit |
|---|---------------------------------|-------------------|
| | H05VV-F 5G 2.50 mm ² | Ø approx. 11.3 mm |
| | Without packaging | |
| | 119.274 2.0 m · White | 30 items |

Cooker junction box 16A/380V~

- \cdot Duroplast version for surface or flush mounting
- \cdot Quick and easy to connect thanks to spacious terminal area
- Clamping range: 0.75-2.5 mm² for 55 mm wall socket

| Art. no. | Art. no. Colour | | | | |
|---------------------------------------|-----------------|----------|--|--|--|
| Cooker jur | nction box | | | | |
| 16A/380V~ | | | | | |
| · For 55 mm wall boxes / height 23 mm | | | | | |
| 190.270 | ·White | 20 items | | | |

Equipment junction box 16A/380V~

- \cdot Thermoplastic version for concealed wiring mounting
- \cdot Easy to fit with removable terminal block and snap-lock cover
- \cdot With screw terminal 5 x 2.50 mm² and strain relief
- · For 55 mm wall socket/height 14 mm

| Appliance | | |
|-----------|--------|----------|
| 190.271 | ·White | 20 items |







Kitchen connection box

- \cdot Universal accessory for connecting hob, oven and dishwasher
- · No need to fit additional sockets
- \cdot The existing cooker socket can still be used
- \cdot Saves costs as no need to fit sockets later
- · Rewirable WAGO® terminals

Art. no. Version

| | Kitchen co | nnection box | | | | | |
|---|--|--|--------|--|--|--|--|
| | Grey, with screw-mounting eyes, connected load up to 10 kW | | | | | | |
| H05VV-F 5G 2.5 mm² for cooker connection socket H05VV-F 5G 2.5 mm² for hob H05VV-F 3G 2.5 mm² with socket outlets with earthing contact for oven or dishwasher/ mountable | | | | | | | |
| | 923.003 | Kitchen connection box 2 m (Cooker connection socket 2 m; hob 2 m; oven or dishwasher 2 m) | 1 item | | | | |
| | 923.004 | Kitchen connection box 5 m (Cooker connection socket 5 m; hob 5 m; oven or dishwasher 5 m) | 1 item | | | | |
| | 923.005 | Kitchen connection box 10 m (Cooker connection socket 2 m; hob 10 m; oven or dishwasher 10 m) | 1 item | | | | |

Unit

Euro supply cable PVC, 70°

- End 1: 2.5 A Euro plug, moulded
- · End 2: 25 mm stripped with end sleeves

| Art. no. | Length | Colour | | Unit |
|------------|--------------|---------|---------------|------------------|
| H03VVH2- | F 2 x 0.75 m | m² Fl | at cable appr | ox. 3.6 x 5.6 mm |
| Without pa | ckaging | | | |
| 202.174 | 2.0 m | · Black | 1 | 00 items |
| 202.274 | 2.0 m | · White | 1 | 00 items |
| 202.175 | 3.0 m | · Black | 1 | 00 items |
| 202.275 | 3.0 m | ·White | 1 | 00 items |

| Individually | packed | | |
|--------------|-------------------------------|---|---|
| 202.184 | 2.0 m | · Black | 50 items |
| 202.284 | 2.0 m | · White | 50 items |
| 202.185 | 3.0 m | · Black | 50 items |
| 202.285 | 3.0 m | · White | 50 items |
| | 202.184 202.284 202.185 | 202.284 2.0 m 202.185 3.0 m | 202.184 2.0 m · Black 202.284 2.0 m · White 202.185 3.0 m · Black |

Euro supply cable with intermediate switch, PVC, 70%

· End 1: 2.5 A Euro plug, moulded End 2: 25 mm stripped with end sleeves, 1-pole intermediate switch – installed approx. 50 cm from side 2 Art. no. Length Colour Unit

| H03VVH2-F 2 X 0.75 mm ² | | | Flat cable approx. 3.6 x 5.6 mm | | | |
|------------------------------------|---------|---------|---------------------------------|---|--|--|
| Without page | ckaging | | | | | |
| 211.174 | 1.8 m | · Black | 100 items | | | |
| 211.274 | 1.8 m | ·White | 100 items | 1 | | |



Earthing contact supply cable, PVC, with intermediate switch, 70 °C

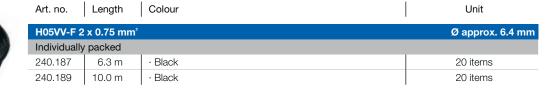


- · Switch dimensions: 60 x 26 x 13 mm
- \cdot End 1: right angle plug with dual earthing contact system, moulded
- \cdot End 2: 30 mm stripped with end sleeves, 1-pole intermediate switch fitted after approx. 50 cm

| Art. no. | Length | Colour | Unit |
|------------|------------------------|---------|------------------|
| H03VV-F 3 | G 0.75 mm ² | | Ø approx. 5.5 mm |
| Without pa | ckaging | | |
| 302.174 | 2.0 m | · Black | 100 items |
| 302.274 | 2.0 m | ·White | 100 items |

Vacuum cleaner replacement cable, PVC, 70°C 🔅 💻

- · End 1: contour plug, moulded
- · End 2: 30 mm stripped with end sleeves



Contour supply cable, PVC, 70 °C

- · End 1: contour plug, moulded
- · End 2: 30 mm stripped with end sleeves

| | Art. no. Length Colour | | | | Unit |
|--|---|-------|---------|--|------------------|
| | H05VV-F 2 x 1.00 mm ² Without packaging | | | | Ø approx. 6.5 mm |
| | | | | | |
| | 241.175 | 3.0 m | · Black | | 50 items |
| | 241.275 | 3.0 m | · White | | 50 items |



305.285

3.0 m

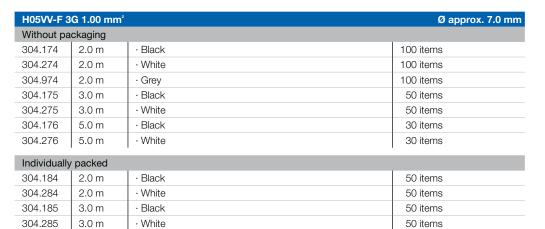
· White

Earthing contact supply cable, PVC, max. 16A/250V~, 70°C

 \cdot End 1: right angle plug with dual earthing contact system, moulded

· End 2: 30 mm stripped with end sleeves

| Art. no. | Length | Colour | Unit | |
|------------|-------------------------|---------|------------------|---|
| H03VV-F 3 | 3G 0.75 mm ² | | Ø approx. 5.5 mm | |
| Without pa | ackaging | | | |
| 301.174 | 2.0 m | · Black | 100 items | |
| 301.274 | 2.0 m | ·White | 100 items | |
| 301.974 | 2.0 m | · Grey | 100 items | |
| 301.175 | 3.0 m | · Black | 100 items | - |
| 301.275 | 3.0 m | · White | 100 items | |



| H05VV-F | 3 G 1. 50 mm [*] | | Ø approx. 8.0 mm |
|-------------|----------------------------------|---------|------------------|
| Without pa | ackaging | | |
| 305.174 | 2.0 m | · Black | 50 items |
| 305.274 | 2.0 m | · White | 50 items |
| 305.974 | 2.0 m | · Grey | 50 items |
| 305.175 | 3.0 m | · Black | 50 items |
| 305.275 | 3.0 m | · White | 50 items |
| 305.975 | 3.0 m | · Grey | 50 items |
| 305.176 | 5.0 m | · Black | 30 items |
| 305.276 | 5.0 m | · White | 30 items |
| Individuall | y packed | | |
| 305.184 | 2.0 m | · Black | 50 items |
| 305.284 | 2.0 m | · White | 50 items |
| 305.185 | 3.0 m | · Black | 20 items |

20 items



Earthing contact supply cable, PVC, max. 16A/250V~, 70°C

 \cdot End 1: central plug with dual earthing contact system, moulded

 \cdot End 2: 30 mm stripped with end sleeves



| Art. no. | Length | Colour | Unit |
|---------------------------|------------------------|---------|--|
| H03VV-F 3 | G 0.75 mm² | | Diameter approx. 5.5 mm |
| Without pa | ckaging | | |
| 311.273 | 1.5 m | ·White | 100 items |
| | | | |
| H03VV-F 3 | G 0.75 mm ² | | Diameter approx. 5.5 mm |
| H03VV-F 3 Individually | | | Diameter approx. 5.5 mm Diameter approx. 6.0 mm |
| | | · Black | |
| Individually | / packed | · Black | Diameter approx. 6.0 mm |

Electric iron supply cable, textile, 150°C

 \cdot End 1: central plug with dual earthing contact system, moulded

 \cdot End 2: 30 mm stripped with end sleeves

| Art. no. Length Colour | Unit |
|---|-------------------------|
| H03RT-H 3G 0.75 mm ² – TEXTILE | Diameter approx. 6.5 mm |
| Without packaging | |
| 313.175 3.0 m · Grey/white | 50 items |
| Individually packed | |
| 313.185 3.0 m · Grey/white | 50 items |

6°



| Small equipment supp | bly cable, PVC, max. 2. | 5A/250V~ ©© | |
|---|-------------------------|-------------|-----------------------------|
| End 1: Euro flat plug, mo End 2: small equipment | | | |
| Art. no. Length C | Colour | | Unit |
| H03VVH2-F 2 x 0.75 mm ² | | Flat | t cable approx. 3.6 x 5.6 n |
| Without packaging | | | |
| 251.173 1.5 m · | Black | | 200 items |
| Individually packed | | | |
| 251.183 1.5 m · | Black | | 50 items |



Non-heating appliance supply cable, PVC, 10A/250V~, 70°C

 \cdot End 1: right angle plug with dual earthing contact system, moulded

· End 2: non-heating appliance socket, IEC 320/C13, moulded

| Art. no. | Length | Colour | Unit |
|--------------|------------------------|---------|-------------------------|
| H05VV-F 3 | G 0.75 mm ² | | Diameter approx. 5.8 mm |
| Without pa | ckaging | | |
| 351.174 | 2.0 m | · Black | 100 items |
| 351.974 | 2.0 m | · Grey | 100 items |
| Individually | / packed | | |
| 351.184 | 2.0 m | · Black | 50 items |
| 351.984 | 2.0 m | · Grey | 50 items |



| H05VV-F 3 | G 1.00 mm ² | | Diameter approx. 7.0 mm |
|--------------|------------------------|---------|-------------------------|
| Without pa | ckaging | | |
| 353.175 | 3.0 m | · Black | 50 items |
| 353.975 | 3.0 m | · Grey | 50 items |
| Individually | packed | | |
| 353.185 | 3.0 m | · Black | 50 items |
| 353.985 | 3.0 m | · Grey | 50 items |

Non-heating appliance supply cable, PVC, 16A/250V~, 70°C

 \cdot End 1: right angle plug with dual earthing contact system, moulded

• End 2: C19 non-heating appliance socket (915.174)

| Art. no. | Length | Colour | Unit |
|------------|------------------------|---------|-------------------------|
| H05VV-F 3 | G 1.50 mm ² | | Diameter approx. 8.4 mm |
| Without pa | ckaging | | |
| 352.174 | 2.0 m | · Black | 50 items |
| 352.175 | 3.0 m | · Black | 50 items |



 \cdot End 1: IEC 320/C14 non-heating appliance plug with earthing contact, moulded

 \cdot End 2: IEC 320 / C13 non-heating appliance socket with earthing contact, moulded

 \cdot Ideal connector between PC and monitor or as an extension cable

Non-heating appliance extension cable, 10A/250V~, 70°C

| Art. no. Length Colour | Unit |
|---------------------------------|-------------------------|
| H05VV-F 3G 0.75 mm ² | Diameter approx. 5.8 mm |
| Without packaging | |
| 356.974 2.0 m · Grey | 100 items |
| | |
| H05VV-F 3G 1.00 mm ² | Diameter approx. 7.0 mm |
| Without packaging | |
| 356.975 3.0 m · Grey | 50 items |



| Art. no. Length Colour H05VV-F 3G 1.50 mm² Without packaging 356.174 2.0 m · Black 356.175 3.0 m · Black 356.175 3.0 m · Black Heating appliance supply cable, PVC, 10A/250V~ (for exponent of the state o | ort only) | Unit eter approx. 50 items 50 items |
|---|-----------|--|
| Without packaging 356.174 2.0 m · Black 356.175 3.0 m · Black Heating appliance supply cable, PVC, 10A/250V~ (for exponent of the second of the s | ort only) | 50 items 50 items |
| 356.174 2.0 m · Black 356.175 3.0 m · Black Heating appliance supply cable, PVC, 10A/250V~ (for exponent of the second of t | | 50 items |
| 356.175 3.0 m · Black Heating appliance supply cable, PVC, 10A/250V~ (for exponent of the supple cabl | | 50 items |
| End 1: right angle plug with dual earthing contact system, moulded End 2: heating appliance socket 10A, IEC 320/C15, fitted Art. no. Length Colour | | |
| Art. no. Length Colour | I | |
| | | |
| H05VV-E 3G 1 00 mm ² | | Unit |
| | Diame | eter approx. |
| Without packaging | | 50.1 |
| 361.174 2.0 m · Black | | 50 items |
| Individually packed 361.184 2.0 m | | 50 items |
| | | |
| Heating appliance supply cable, rubber, 10A/250V~, 155 °C - End 1: central plug with dual earthing contact system, moulded • End 2: heating appliance outlet 10A, mounted | C (III) | |
| End 1: central plug with dual earthing contact system, moulded | | Unit |
| End 1: central plug with dual earthing contact system, moulded End 2: heating appliance outlet 10A, mounted Art. no. Length Colour | | |
| End 1: central plug with dual earthing contact system, moulded End 2: heating appliance outlet 10A, mounted | | |
| End 1: central plug with dual earthing contact system, moulded End 2: heating appliance outlet 10A, mounted Art. no. Length Colour H05RR-F 3G 1.00 mm ² | | Unit eter approx 50 items |

| Art. no. Length Colour | Unit |
|---------------------------------|-------------------------|
| H05VV-F 3G 1.00 mm ² | Diameter approx. 7.0 mm |
| Without packaging | |
| 373.174 2.0 m · Black | 50 items |

Contour supply cable, neoprene, 16A/250V~, 70°C

· End 1: contour plug, moulded

· End 2: 30 mm stripped with end sleeves

· Ideal connecting cable for power tools

| Art. no. | Length | Colour | Unit | | |
|--------------|--------------------------|---------|-------------------------|--|--|
| H07RN-F | 2 x 1.00 mm ² | 2 | Diameter approx. 7.7 mm | | |
| Without pa | ckaging | | | | |
| 246.174 | 2.0 m | · Black | 50 items | | |
| 246.175 | 3.0 m | · Black | 50 items | | |
| 246.375 | 3.0 m | ·Red | 50 items | | |
| 246.176 | 5.0 m | · Black | 20 items | | |
| 246.376 | 5.0 m | ·Red | 20 items | | |
| Individually | Individually packed | | | | |
| 246.185 | 3.0 m | · Black | 20 items | | |
| 246.186 | 5.0 m | · Black | 20 items | | |

•





Cables

| H07RN-F | 2 x 1.50 mm | Diameter approx. 8.7 mm | | | |
|--------------|---------------------|-------------------------|----------|--|--|
| Without pa | ckaging | | | | |
| 248.174 | 2.0 m | · Black | 50 items | | |
| 248.175 | 3.0 m | · Black | 50 items | | |
| 248.176 | 5.0 m | · Black | 20 items | | |
| Individually | Individually packed | | | | |
| 248.185 | 3.0 m | · Black | 20 items | | |
| 248.186 | 5.0 m | · Black | 20 items | | |

Contour supply cable, rubber/PUR, 16A/250V~, 70°C

· End 1: contour plug, moulded

· End 2: 30 mm stripped with end sleeves

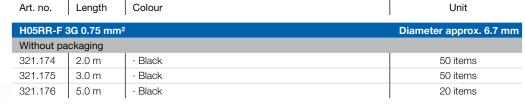
| Art. no. | Length | Colour | Unit |
|------------|--------------------------|-------------------------|----------|
| H05BQ-F2 | 2 x 1.00 mm ² | Diameter approx. 6.8 mm | |
| Without pa | ckaging | | |
| 244.875 | 3.0 m | · Orange | 50 items |
| 244.876 | 5.0 m | · Orange | 30 items |

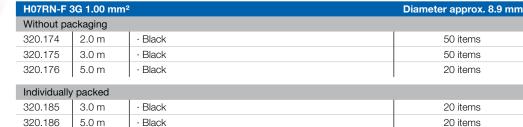
| H07BQ-F 2 x 1.50 mm ² | | | Diameter approx. 8.3 mm |
|----------------------------------|-------------------|----------|-------------------------|
| Without pa | Without packaging | | |
| 249.875 | 3.0 m | · Orange | 50 items |
| 249.876 | 5.0 m | ·Orange | 30 items |

Earthing contact supply cable, neoprene, max. 16A/250V~

End 1: central plug with dual earthing contact system, moulded Plug is splash water protected.

· End 2: 30 mm stripped with end sleeves





| H07RN-F | 3G 1.50 mm² | Diameter approx. 9.5 mm | |
|--------------|-----------------------|-------------------------|----------|
| Without pa | ackaging | | |
| 322.174 | 2.0 m | · Black | 50 items |
| 322.175 | 3.0 m | · Black | 30 items |
| 322.176 | 322.176 5.0 m · Black | | 20 items |
| Individually | y packed | | |
| 322.184 | 2.0 m | · Black | 20 items |
| 322.185 | 3.0 m | · Black | 20 items |
| 322.186 | 5.0 m | · Black | 20 items |

| H07RN-F 3G 2.50 mm ² | | | Diameter approx. 11.3 mm |
|---------------------------------|--------|---------|--------------------------|
| Individually | packed | | |
| 323.185 | 3.0 m | · Black | 10 items |
| 323.186 | 5.0 m | · Black | 10 items |

Earthing contact supply cable, rubber /PUR, max. 16A/250V~



- End 1: central plug with dual earthing contact system, moulded Plug is splash water protected.
- · End 2: 30 mm stripped with end sleeves



| Art. no. | Length | Unit | |
|------------|-------------|-------------------------|----------|
| H05BQ-F | 3G 1.00 mm² | Diameter approx. 7.9 mm | |
| Without pa | ckaging | | |
| 328.875 | 3.0 m | · Orange | 50 items |
| 328.876 | 5.0 m | · Orange | 30 items |

| H07BQ-F 3G 1.50 mm ² | | | Diameter approx. 8.6 mm |
|---------------------------------|-------------------|----------|-------------------------|
| Without pa | Without packaging | | |
| 327.875 | 3.0 m | · Orange | 30 items |
| 327.876 | 5.0 m | · Orange | 20 items |



| Note | For contour and earthing-contact connector supply cable |
|----------------|--|
| | Contour supply cable: 244.875/244.876/249.875/249.876 |
| | • Earthing-contact connector supply cable: 328.875/328.876/ |
| | 327.875/327.876 |
| | • Contour supply cable: 244.875/244.876/249.875/249.876 |
| Cable | Copper conductor, finely stranded, tin-plated. |
| construction | Lead insulation made from ethylene-propylene rubber. |
| | Sheath made from polyurethane, blend type 11Ym1 in accordance with |
| | VDE 0250 Part 818/585 |
| | |
| Examples | Outdoors and in dry, damp and wet indoor spaces. |
| of use | • For mechanically demanding applications on construction sites, in work- |
| | shops, in mechanical and plant engineering and in the chemicals industry. |
| | • Wherever requirements for abrasion resistance, impact resistance and oil |
| | resistance are high. |
| | Particularly suitable as a supply cable for hand-held power tools. |
| | |
| We can provide | custom configurations following your specification or following free |

consultation with our experts. As a manufacturer of many years' standing, we possess a wealth of know-how. See also page 300 ff (international connectors and couplings).

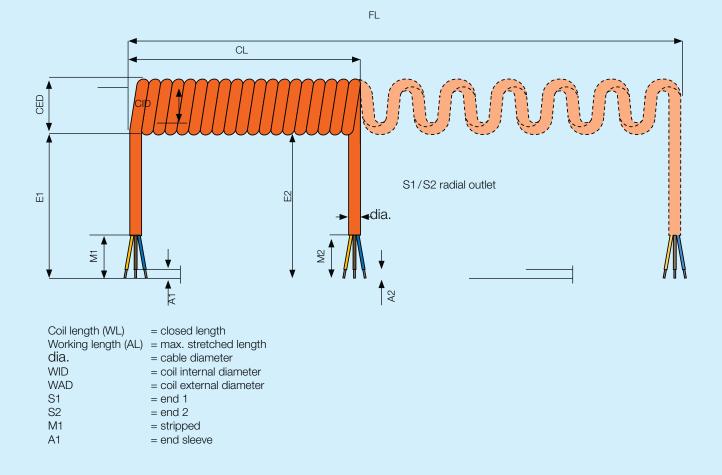
Transparent power cable

- · Leads FEP T 180 °C/sheath PVC T 105 °C 450/750 V, earth conductor threads green/yellow
- \cdot End 1: 40 mm stripped with end sleeves
- · End 2: 40 mm stripped with end sleeves

| Art. no. | Length | Colour | Unit |
|------------|-----------------|---------------|-------------------------|
| Double ins | sulated cable 3 | x 0.75 mm² | |
| 130.080 | 1.5 m | Transparent | 1 item |
| 130.081 | 3.0 m | · Transparent | 1 item |
| | | | |
| | sulated cable 3 | | |
| 131.080 | 1.5 m | Transparent | 1 item |
| 131.081 | 3.0 m | Transparent | 1 item |
| | | | |
| | sulated cable 3 | | Diameter 5.2 mm ±0.2 mm |
| 150.072 | 50.0 m ring | Transparent | 1 item |
| | | | |
| | sulated cable 3 | | 1 |
| 150.070 | 50.0 m ring | · Transparent | 1 item |
| | | | |
| | sulated cable 5 | | |
| 132.080 | 1.5 m | | 1 item |
| 132.081 | 3.0 m | · Transparent | 1 item |
| | | | |
| | sulated cable 5 | | |
| 133.080 | 1.5 m | Transparent | 1 item |
| 133.081 | 3.0 m | · Transparent | 1 item |
| | | | |
| | sulated cable 5 | | |
| 151.070 | 50.0 m ring | · Transparent | 1 item |
| | | | |
| | sulated cable 5 | | |
| 151.072 | 50.0 m ring | Transparent | 1 item |



Cables



SPIRAL CABLES

Wide range of stock items plus custom manufacturing

As a leading manufacturer of spiral cables we have extensive competence and count leading global companies among our customers. Specifically developed - from the helicopter communication helix to the robot coil in technically difficult environments - we will find the solution for you.

| Properties Examples of use | Leads PVC / sheath PVC Good value, low mechanical stiffness, medium chemical resistance, medium reset force. For household equipment, lamps and IT systems. |
|-------------------------------|---|
| | Leads PVC / sheath PUR |
| Properties | • Good chemical resistance, good resistance to cold, excellent abrasion and notching resistance, very good oil resistance, good reset force. |
| Examples of use | • For connecting cables in engineering and the building industry (construction equipment). |
| | Leads rubber PUR / sheath PUR |
| Properties | • Good wear resistance, good chemical resistance, good resistance to cold, excellent abrasion and notching resistance, very good oil resistance, good reset force. |
| Examples of use | For machines and systems requiring VDE-compatible connection: for example mechanical engineering, construction equipment, electric tools, communication technology - in particular for use out of doors and/or in damp rooms. |

Spiral cables PVC

· End 1/end 2: 200 mm each, cut flush

 \cdot Properties: good value, low mechanical resistance, medium chemical resistance, medium reset force

 \cdot Examples of use: lamps, IT systems and mobile devices/equipment

| Art. no. | Coil length | Operating length | Version | Unit |
|------------|------------------|----------------------|----------------------------------|-----------|
| Spiral cab | le | | | |
| H05VV-F 3 | G 1.50 mm², dian | neter approx. 8.4 mn | n, WID: approx. 10 mm, WAD: appr | ox. 27 mm |
| 654.180 | 500 mm | 2,000 mm | · Black | 50 items |
| 654.280 | 500 mm | 2,000 mm | · White | 50 items |
| 654.181 | 1,000 mm | 4,000 mm | · Black | 30 items |
| 654.281 | 1,000 mm | 4,000 mm | · White | 30 items |
| 654.182 | 1,500 mm | 6,000 mm | · Black | 15 items |
| 654.282 | 1,500 mm | 6,000 mm | · White | 15 items |

Spiral cable, PUR

Leads: PVC, sheath: PUR, elongation factor 1:5, 70°C

· End 1/end 2: 200 mm each, cut flush

Properties: good chemical resistance, good resistance to cold,

excellent abrasion and notching resistance, very good reset force

 \cdot Examples of use: connecting cables for engineering, the construction industry or robotics

| Art. no. | Coil length | Operating length | Version | Unit | | | |
|------------|-------------------|----------------------|---------------------------------|-------------|--|--|--|
| Spiral cab | Spiral cable, PUR | | | | | | |
| YMH11Y-J | 3G 1.50 mm², di | ameter approx. 8.0 r | mm, WID: approx. 13 mm, WAD: ap | prox. 29 mm | | | |
| 692.180 | 500 mm | 2,500 mm | · Black | 30 items | | | |
| 692.280 | 500 mm | 2,500 mm | · White | 30 items | | | |
| 692.181 | 1,000 mm | 5,000 mm | · Black | 20 items | | | |
| 692.281 | 1,000 mm | 5,000 mm | · White | 20 items | | | |
| 692.182 | 1,500 mm | 7,500 mm | · Black | 15 items | | | |
| 692.282 | 1,500 mm | 7,500 mm | · White | 15 items | | | |

Cables





Spiral cable, PUR

| Art. no. | Coil length | Operating length | Version | Unit |
|-----------------|---------------------------------|--------------------|--------------------------------|----------|
| Spiral cable, P | UR | | | |
| YMH11Y-J 5 x | 1.50 mm ² , diameter | approx. 10.0 mm, \ | NID: approx. 18 mm, WAD: appro | x. 39 mm |
| 693.180 | 500 mm | 2,500 mm | · Black | 20 items |
| 693.280 | 500 mm | 2,500 mm | • White | 20 items |
| 693.181 | 1,000 mm | 5,000 mm | · Black | 10 items |
| 693.281 | 1,000 mm | 5,000 mm | · White | 10 items |
| 693.182 | 1,500 mm | 7,500 mm | · Black | 5 items |
| 693.282 | 1,500 mm | 7,500 mm | · White | 5 items |

Spiral cable, PUR

Leads: rubber, sheath: PUR, elongation factor 1:5, 70°C

5 items

· End 1/end 2: 200 mm each, cut flush

• Properties: good chemical resistance, good resistance to cold, microbe resistant, excellent abrasion and notching resistance, microbe-proof, high resistance to chafing and grinding, good reset force

- \cdot Examples of use: machines and systems requiring VDE-compatible connection:
- e.g. in engineering, power tools, construction equipment and communications systems
- \cdot Particularly suitable for use out of doors or in damp environments; UV resistant



683.882

1,500 mm

7,500 mm

| Art. no. | Coil length | Operating length | Version | Unit | | | | | |
|-------------------|---|--------------------|---------------------------------|-------------|--|--|--|--|--|
| Spiral cable, PUR | | | | | | | | | |
| H07BQ-F3 | H07BQ-F 3G 1.50 mm ² , diameter approx. 9.5 mm, WID: approx. 13 mm, WAD: approx. 32 mm | | | | | | | | |
| 684.880 | 500 mm | 2,500 mm | · Orange | 20 items | | | | | |
| 684.881 | 1,000 mm | 5,000 mm | · Orange | 15 items | | | | | |
| 684.882 | 1,500 mm | 7,500 mm | · Orange | 10 items | | | | | |
| H07BQ-F 5 | 5G 1.50 mm², dia | meter approx. 11.3 | mm, WID: approx. 18 mm, WAD: ap | prox. 41 mm | | | | | |
| 685.880 | 500 mm | 2,500 mm | · Orange | 20 items | | | | | |
| 685.881 | 1,000 mm | 5,000 mm | · Orange | 10 items | | | | | |
| 685.882 | 1,500 mm | 7,500 mm | · Orange | 5 items | | | | | |
| H07BQ-F7 | G 1.50 mm², dia | meter approx. 13.9 | mm, WID: approx. 18 mm, WAD: ap | prox. 46 mm | | | | | |
| 681.880 | 500 mm | 2,500 mm | · Orange | 20 items | | | | | |
| 681.881 | 1,000 mm | 5,000 mm | · Orange | 10 items | | | | | |
| 681.882 | 1,500 mm | 7,500 mm | · Orange | 5 items | | | | | |
| H07BQ-F | 3G 2.50 mm², dia | meter approx. 10.8 | mm, WID: approx. 18 mm, WAD: ap | prox. 40 mm | | | | | |
| 682.880 | 500 mm | 2,500 mm | · Orange | 20 items | | | | | |
| 682.881 | 1,000 mm | 5,000 mm | · Orange | 10 items | | | | | |
| 682.882 | 1,500 mm | 7,500 mm | · Orange | 5 items | | | | | |
| H07BQ-F 5 | 5G 2.50 mm², diai | meter approx. 13.7 | mm, WID: approx. 18 mm, WAD: ap | prox. 46 mm | | | | | |
| 683.880 | 500 mm | 2,500 mm | · Orange | 20 items | | | | | |
| 683.881 | 1,000 mm | 5,000 mm | · Orange | 10 items | | | | | |

Orange

| | oulded contour ngth 100 mm in | plug cl. 30 mm stripped, | with end sleeves | | |
|---|---|---|---|--|---|
| Art. no. | Coil length | Operating length | Version | Unit | \cap |
| | supply cable, PL 2 x 1.00 mm², di | | WID: approx. 9 mm, WAD | : approx. 23 mm | > |
| 624.871 | 1,000 mm | 5,000 mm | · Orange | 50 items | • |
| Earthing | contact spira | | | Leads: PVC, | |
| supply ca | able, PVC | | sheath: | PVC, elongation factor 1:4, 70°C | |
| End 1: rig | ht angle plug, t | ype 30F with dual ea | arthing contact system, r | noulded | |
| End 2: ler | ngth 100 mm in | cl. 30 mm stripped, | with end sleeves | | |
| Art. no. | Coil length | Operating length | Version | Unit | |
| Earthing | contact spiral s | upply cable PVC | | | |
| | | | n, WID: approx. 10 mm, WA | AD: approx. 27 mm | A STATE OF THE OWNER |
| 663.170 | 500 mm | 2,000 mm | · Black | 50 items | |
| 000 070 | 500 mm | 2,000 mm | · White | 50 items | |
| 663.270 | 500 mm | | | | |
| 663.270 663.171 | 1,000 mm | 4,000 mm | Black | 30 items | "Humanian |
| 663.171 663.271 Earthing oupply ca End 1: ler | 1,000 mm 1,000 mm contact spira able PUR ngth 100 mm st rthing contact s | 4,000 mm | • White sheath: with dual | 30 items 30 items Leads: rubber, : PUR, elongation factor 1:5, 70°C | The constant |
| 663.171 663.271 Earthing of supply ca End 1: ler ea End 2: ler | 1,000 mm 1,000 mm contact spira able PUR ngth 100 mm st rthing contact s ngth 200 mm in | 4,000 mm | White sheath: with dual with end sleeves | 30 items Leads: rubber, : PUR, elongation factor 1:5, 70°C | The second second |
| 663.171 663.271 Earthing of supply ca End 1: ler ea End 2: ler Art. no. | 1,000 mm 1,000 mm contact spira able PUR ngth 100 mm st rthing contact s ngth 200 mm in Coil length | 4,000 mm | • White sheath: with dual | 30 items | |
| 663.171 663.271 Earthing of supply ca End 1: ler ea End 2: ler Art. no. Earthing of | 1,000 mm 1,000 mm contact spira able PUR ngth 100 mm st rthing contact s ngth 200 mm in Coil length contact spiral s | 4,000 mm | • White sheath: with dual with end sleeves Version | 30 items Leads: rubber, : PUR, elongation factor 1:5, 70°C Unit | |
| 663.171 663.271 Earthing of supply ca End 1: ler ea End 2: ler Art. no. Earthing of | 1,000 mm 1,000 mm contact spira able PUR ngth 100 mm st rthing contact s ngth 200 mm in Coil length contact spiral s 3G 1.50 mm ² , di | 4,000 mm | • White sheath: with dual with end sleeves Version n, WID: approx. 13 mm, W | 30 items Leads: rubber, : PUR, elongation factor 1:5, 70°C Unit | |
| 663.171 663.271 Earthing of supply ca End 1: ler ea End 2: ler Art. no. Earthing of H07BQ-F | 1,000 mm 1,000 mm contact spira able PUR ngth 100 mm st rthing contact s ngth 200 mm in Coil length contact spiral s | 4,000 mm | • White sheath: with dual with end sleeves Version | 30 items Leads: rubber, : PUR, elongation factor 1:5, 70°C Unit | |
| 663.171 663.271 Earthing of supply ca End 1: ler ea End 2: ler Art. no. Earthing of H07BQ-F 665.870 665.871 | 1,000 mm 1,000 mm 1,000 mm contact spira able PUR ngth 100 mm st ngth 200 mm in Coil length contact spiral st 3G 1.50 mm², di 500 mm 1,000 mm | 4,000 mm | · White sheath: with dual with end sleeves Version n, WID: approx. 13 mm, W. · Orange | 30 items Leads: rubber, : PUR, elongation factor 1:5, 70°C Unit AD: approx. 32 mm 10 items | |
| 663.171 663.271 Earthing of supply ca End 1: ler ea End 2: ler Art. no. Earthing H07BQ-F 665.870 665.871 Spiral ligh | 1,000 mm 1,000 mm 1,000 mm contact spira able PUR ngth 100 mm st ngth 200 mm in Coil length contact spiral st 3G 1.50 mm², di 500 mm 1,000 mm | 4,000 mm | White sheath: with dual with end sleeves Version n, WID: approx. 13 mm, W Orange Orange | 30 items Leads: rubber, : PUR, elongation factor 1:5, 70°C Unit AD: approx. 32 mm 10 items | |
| 663.171 663.271 Earthing of supply ca End 1: ler ea End 2: ler Art. no. Earthing H07BQ-F 665.870 665.871 Spiral ligh | 1,000 mm 1,000 mm 1,000 mm contact spira able PUR ngth 100 mm st ngth 200 mm in Coil length contact spiral st 3G 1.50 mm², di 500 mm 1,000 mm | 4,000 mm | White sheath: with dual with end sleeves Version n, WID: approx. 13 mm, W Orange Orange | 30 items Leads: rubber, : PUR, elongation factor 1:5, 70°C Unit AD: approx. 32 mm 10 items | |
| 663.171 663.271 Earthing of supply ca End 1: ler ea End 2: ler Art. no. Earthing of H07BQ-F 665.870 665.871 Spiral ligh Ends: 140 Art. no. | 1,000 mm 1,000 mm 1,000 mm able PUR agth 100 mm st agth 200 mm in Coil length Contact spiral st 3G 1.50 mm², di 500 mm 1,000 mm sting cables mm each, incl. | 4,000 mm 4,000 mm traight, central plug v system, moulded cl. 30 mm stripped, Operating length upply cable, PUR ameter approx. 9.5 mm 2,500 mm 5,000 mm 80 mm stripped, with Operating length | White sheath: with dual with end sleeves Version New MD: approx. 13 mm, Willing approx. 14 mm, Willing app | 30 items Leads: rubber, PUR, elongation factor 1:5, 70°C Unit AD: approx. 32 mm 10 items 10 items | |
| 663.171 663.271 Earthing of supply ca End 1: ler ea End 2: ler Art. no. Earthing of H07BQ-F 665.870 665.871 Spiral ligh Ends: 140 Art. no. Spiral ligh | 1,000 mm 1,000 mm 1,000 mm able PUR agth 100 mm st agth 200 mm in Coil length contact spiral st 3G 1.50 mm², di 500 mm 1,000 mm ting cables mm each, incl. Coil length | 4,000 mm 4,000 mm traight, central plug v system, moulded cl. 30 mm stripped, Operating length upply cable, PUR ameter approx. 9.5 mm 2,500 mm 5,000 mm 80 mm stripped, with Operating length bared) | White sheath: with dual with end sleeves Version New MD: approx. 13 mm, Willing approx. 14 mm, Willing app | 30 items Leads: rubber, EPUR, elongation factor 1:5, 70°C Unit AD: approx. 32 mm 10 items 10 items 10 items | |
| 663.171 663.271 Earthing of supply ca End 1: ler ea End 2: ler Art. no. Earthing of H07BQ-F 665.870 665.871 Spiral ligh Ends: 140 Art. no. Spiral ligh H05VV-F (| 1,000 mm 1,000 mm 1,000 mm able PUR agth 100 mm strating contact spiral strating contact spiral strating contact spiral strating cables Coil length contact spiral strating cables mm each, incl. Coil length contact spiral strating cables mm each, incl. Coil length string cables mm each, incl. Coil length string cable (prepare) G 1.50 mm², dia | 4,000 mm 4,000 mm traight, central plug v system, moulded cl. 30 mm stripped, Operating length upply cable, PUR ameter approx. 9.5 mm 2,500 mm 5,000 mm 80 mm stripped, with Operating length bared) | White sheath: with dual with end sleeves Version N. WID: approx. 13 mm, W. Orange Orange th end sleeves th end sleeves Version | 30 items Leads: rubber, EPUR, elongation factor 1:5, 70°C Unit AD: approx. 32 mm 10 items 10 items 10 items | |
| 663.171 663.271 Earthing of supply ca End 1: ler ea End 2: ler Art. no. Earthing of H07BQ-F 665.870 665.871 Spiral ligh Ends: 140 Art. no. Spiral ligh H05VV-F (| 1,000 mm 1,000 mm 1,000 mm able PUR agth 100 mm strating contact spiral strating contact spiral strating contact spiral strating cables Coil length contact spiral strating cables mm each, incl. Coil length contact spiral strating cables mm each, incl. Coil length string cables mm each, incl. Coil length string cable (prepare) G 1.50 mm², dia | 4,000 mm 4,000 mm traight, central plug v system, moulded cl. 30 mm stripped, Operating length upply cable, PUR ameter approx. 9.5 mm 2,500 mm 80 mm stripped, with Operating length vared) uneter approx. 8.4 mm | White sheath: with dual with end sleeves Version N. WID: approx. 13 mm, W. Orange Orange th end sleeves th end sleeves Version | 30 items Leads: rubber, EPUR, elongation factor 1:5, 70°C Unit AD: approx. 32 mm 10 items 10 items 10 items | |
| 663.171 663.271 Earthing of Supply ca End 1: ler ea End 2: ler Art. no. Earthing of H07BQ-F 665.870 665.871 Spiral ligh Ends: 140 Art. no. Spiral ligh H05VV-F 3 • Insulatio | 1,000 mm 1,000 mm 1,000 mm contact spiral able PUR ngth 100 mm st ngth 200 mm in Coil length contact spiral st 3G 1.50 mm², di 500 mm 1,000 mm ting cables mm each, incl. Coil length coil length ting cable (pregond 1.50 mm², diame 2.50 mm², | 4,000 mm 4,000 mm raight, central plug w system, moulded cl. 30 mm stripped, Operating length upply cable, PUR ameter approx. 9.5 mm 2,500 mm 80 mm stripped, with Operating length bared) meter approx. 8.4 mm PVC, elongation fact | White sheath: with dual with end sleeves Version N. WID: approx. 13 mm, W. Orange Orange th end sleeves Version N. WID: approx. 10 mm, W./ tor 1:4, 70°C | 30 items Leads: rubber, EPUR, elongation factor 1:5, 70°C Unit AD: approx. 32 mm 10 items 10 items 10 items 10 items 10 items | |
| 663.171 663.271 Earthing of supply ca End 1: ler ea End 2: ler Art. no. Earthing of H07BQ-F 665.870 665.871 G65.871 Ends: 140 Art. no. Spiral ligh H05VV-F H05VV-F Sinsulatio 654.283 654.284 | 1,000 mm 1,000 mm 1,000 mm able PUR agth 100 mm starting contact spiral starting contact spiral start spiral starting cables Coil length Contact spiral starting cables mm each, incl. Coil length Coil length 1,000 mm 00 mm 400 mm 800 mm | 4,000 mm 4,000 mm traight, central plug variation system, moulded cl. 30 mm stripped, Operating length upply cable, PUR ameter approx. 9.5 mm 2,500 mm 5,000 mm 80 mm stripped, with Operating length stripped, with 0perating length stripped, with 1,600 mm 1,600 mm 3,200 mm | White sheath: with dual with end sleeves Version N. WID: approx. 13 mm, W. Orange Orange th end sleeves Version N. WID: approx. 10 mm, W./ tor 1:4, 70°C White | 30 items Leads: rubber, EPUR, elongation factor 1:5, 70°C Unit AD: approx. 32 mm 10 items 10 items 10 items 10 items 2000000000000000000000000000000000000 | |
| 663.171 663.271 Earthing of Supply ca End 1: ler ea End 2: ler Art. no. Earthing of H07BQ-F 665.870 665.871 Spiral ligh Ends: 140 Art. no. Spiral ligh H05VV-F 654.283 654.284 YMH11Y- | 1,000 mm 1,000 mm 1,000 mm able PUR agth 100 mm starthing contact spiral starthing contact spiral starthing contact spiral starthing cables Coil length contact spiral starthing cables mg th 200 mm GG 1.50 mm², dia 500 mm 1,000 mm ting cables mm each, incl. Coil length ting cable (prep) GG 1.50 mm², dia an: PVC, sheath: 400 mm 800 mm J 5 x 1.50 mm², dia | 4,000 mm 4,000 mm traight, central plug variation system, moulded cl. 30 mm stripped, Operating length upply cable, PUR ameter approx. 9.5 mm 2,500 mm 5,000 mm 80 mm stripped, with Operating length stripped, with 0perating length stripped, with 1,600 mm 1,600 mm 3,200 mm | White Sheath: with dual with end sleeves Version N. WID: approx. 13 mm, W Orange Orange Orange th end sleeves th end sleeves Version h, WID: approx. 10 mm, WA tor 1:4, 70°C White White White White m, WID: approx. 13 mm, W | 30 items Leads: rubber, EPUR, elongation factor 1:5, 70°C Unit AD: approx. 32 mm 10 items 10 items 10 items 10 items 2000000000000000000000000000000000000 | |

Earthing contact extension cable, 16A/250V~, PVC, 70°C



· End 2: earthing contact coupling, moulded, with extra child-proofing in coupling



| Art. no. Version | Unit |
|--|----------|
| Earthing contact extension, cable: H05VV-F 3G 1.50 mm ² | |
| Length: 2 m | |
| 341.200S · White | 50 items |
| Length: 3 m | |
| 341.201S · White | 50 items |
| Length: 5 m | |
| 341.202S · White | 30 items |
| Length: 10 m | |
| 341.203S · White | 20 items |

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Spiral earthed contact extension cable, PVC, elongation factor 1:4, 70 °C

 \cdot End 1: central plug with dual earthing contact system, moulded

· End 2: earthing contact coupling, moulded

| Art. no. | Coil length | Operating length | Version | Unit |
|-------------|------------------|-----------------------|-------------------------------|------------|
| Spiral exte | ension cable wit | h earthing contact pl | ug, PVC | |
| H05VV-F 3 | G 1.50 mm², diar | neter approx. 8.4 mm | WID: approx. 10 mm, WAD: appr | rox. 27 mm |
| 672.180 | 500 mm | 2,000 mm | · Black | 20 items |
| 672.280 | 500 mm | 2,000 mm | · White | 20 items |
| 672.181 | 1,000 mm | 4,000 mm | · Black | 20 items |
| 672.281 | 1,000 mm | 4,000 mm | · White | 20 items |

Earthing contact extension cable, 16A/250V~, IP20, PVC, 70°C

 \cdot End 1: central plug with dual earthing contact system, moulded

 \cdot End 2: earthing contact coupling, moulded, with cover

| Art. no. Version | | Unit |
|--|--------|--------|
| Earthing contact extension, cable: H05VV-F3 G 1.50 mm ² , safety colour | orange | |
| Length: 10 m | | |
| 341.879 · Orange | | 1 item |
| Length: 25 m | | |
| 341.870 · Orange | | 1 item |



Euro extension cable, 2.5 A/250 V~, PVC, 70 °C

- \cdot End 1: Euro plug, fitted, type 20
- · End 2: Euro coupling, fitted, type 23
- · Cable: H03VVH2-F2 0.75 mm², flat cable

| Art. no. | Version | Unit |
|-------------|-------------|----------|
| Euro exter | ision cable | |
| Length: 2.0 |) m | |
| 233.184 | · Black | 20 items |
| 233.284 | · White | 20 items |
| Length: 3.0 |) m | |
| 233.185 | · Black | 20 items |
| 233.285 | · White | 20 items |
| Length: 5.0 | l m | |
| 233.186 | ·Black | 20 items |
| 233.286 | ·White | 20 items |

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Earthing contact extension cable, 16A/250V~, PVC, 70°C

 \cdot End 1: right angle plug with dual earthing contact system, moulded

 \cdot End 2: earthing contact coupling, moulded

| Art. no. | Version | Unit | | | | | |
|-------------|--|----------|--|--|--|--|--|
| Earthing c | ontact extension, cable: H05VV-F 3G 1.50 mm ² | | | | | | |
| Length: 2.0 |) m | | | | | | |
| 341.184 | · Black | 50 items | | | | | |
| 341.284 | ·White | 50 items | | | | | |
| Length: 3.0 |) m | | | | | | |
| 341.185 | ·Black | 50 items | | | | | |
| 341.285 | ·White | 50 items | | | | | |
| Length: 4.0 |) m | | | | | | |
| 341.287 | · White | 50 items | | | | | |
| Length: 5.0 |) m | | | | | | |
| 341.186 | · Black | 50 items | | | | | |
| 341.286 | ·White | 50 items | | | | | |
| Length: 7.5 | 5 m | | | | | | |
| 341.288 | · White | 20 items | | | | | |
| Length: 10 | m | | | | | | |
| 341.189 | ·Black | 15 items | | | | | |
| 341.289 | ·White | 15 items | | | | | |
| Length: 15 | Length: 15 m | | | | | | |
| 341.281 | ·White | 10 items | | | | | |



Cables

Lawnmower extension cable, 16A/250V~, rubber/neoprene, 70°C



- \cdot End 1: central plug with earthing contact
- · End 2: earthing contact coupling with cover

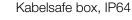


| Art. no. Version | Unit |
|--|--------|
| Lawnmower extension, cable: H07RN-F3G 1.50 mm ² | |
| 15 m | |
| 343.373 · Red | 1 item |
| 25 m | |
| 343.370 · Red | 1 item |
| 35 m | |
| 343.372 · Red | 1 item |
| 50 m | |
| 343.371 · Red | 1 item |

Kabelsafe box, IP44

- \cdot Offers the best protection for power cable plug-in connections
- · Child-proof and waterproof
- · Ideal for outdoor use
- · Protects the plug connections of your Christmas and party illuminations
- \cdot Practical applications in camping and for use with electric lawnmowers
- \cdot For permanent use in the garden and on construction sites

| | Art. no. | Version | Unit |
|---|-----------|--|--------|
| | Kabelsafe | box, IP44 | |
| 5 | 919.371 | Max. cable diameter 9 mm Internal dimensions 180 mm long, Ø 60 mm Orange | 1 item |



- \cdot Offers outstanding protection for power strips, extension cables and adaptors
- \cdot 6 cable entries with individual strain relief
- \cdot Lockable and can be mounted at rear; very robust construction
- \cdot For permanent use in the garden and on construction sites
- · Ideal for Christmas lights, garden devices and camping uses

| | Art. no. | Version | | Unit | | | |
|---|---------------------|--|--|--------|--|--|--|
| 1 | Kabelsafe box, IP64 | | | | | | |
| | 904.100 | Designed for cable diameters from H05VV - F 3G 1.5 mm to H007RN-F 3G 1.5 mm² to H07RN-F 3G 1.5 mm² Light grey UV-resistant Suitable for e.g. entire Smart Line 3 x range Usable surface: 85 mm deep, 275 mm wide | | 1 item | | | |



Earthing contact extension cable, $16A/250V{\sim}$, rubber, $70\,^{\circ}C$

 \cdot End 1: central plug with earthing contact

 \cdot End 2: earthing contact coupling with cover

| Art. no. Version | | Unit |
|--|--|--------|
| Earthing contact extension, cable: H05RR-F 3G 1.50 mm ² | | |
| Length: 10 m | | |
| 343.179 · Black | | 1 item |
| Length: 25 m | | |
| 343.177 · Black | | 1 item |

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Earthing contact extension cable, 16A/250V~, IP44, rubber / neoprene, 70°C 📀

 \cdot End 1: central plug with earthing contact

- · End 2: earthing contact coupling with cover
- \cdot Heavy duty version for outdoor use and on construction sites

| Art. no. Version | Unit |
|--|--------|
| Earthing contact extension, cable: H07RN-F 3G 1.50 mm ² | |
| Length: 5 m | |
| 343.170 · Black | 1 item |
| Length: 10 m | |
| 343.171 · Black | 1 item |
| Length: 25 m | |
| 343.172 · Black | 1 item |
| Length: 50 m | |
| 343.173 · Black | 1 item |
| Earthing contact extension, cable: H07RN-F 3G 2.50 mm ² | |
| Length: 10 m | |
| 343.191 · Black | 1 item |
| Length: 25 m | |
| 343.192 · Black | 1 item |



Earthing contact extension cable, $16A/250V{\sim}$, IP44, rubber /neoprene, $70\,^{\circ}\text{C}$

 \cdot 3-way rubber overhead coupling and hinged lid (IP44)

 \cdot End 1: central plug with earthing contact

 \cdot End 2: 3-way rubber overhead coupling with hinged lid and standardised snap latch

| Art. no. Version | Unit |
|--|--------|
| Earthing contact extension, cable: H07RN-F 3G 1.50 mm ² | |
| Length: 5 m | |
| 343.174 · Black | 1 item |
| Length: 10 m | |
| 343.175 · Black | 1 item |
| Length: 25 m | |
| 343.176 · Black | 1 item |



CEE extension cable, 32A/400V~, rubber / neoprene, IP44, 70°C

- End 1: CEE plug 32A/6 h/400V
- · End 2: CEE coupling 32A/6 h/400V
- \cdot Suitable for use out of doors and on construction sites

| Art. no. Version | Unit |
|---|--------|
| CEE extension cable, H07RN-F5G 2.5 mm ² | |
| Length: 5 m | |
| 345.170 · Black | 1 item |
| Length: 10 m | |
| 345.171 · Black | 1 item |
| Length: 25 m | |
| 345.172 · Black | 1 item |
| CEE extension cable, H07RN-F5G 4.00 mm ² | |
| Length: 5 m | |
| 346.170 · Black | 1 item |
| Length: 10 m | |
| 346.171 · Black | 1 item |
| Length: 25 m | |
| 346.172 · Black | 1 item |
| CEE extension cable, H07RN-F5G 6.00 mm ² | |
| Length: 10 m | |
| 348.171 · Black | 1 item |
| Length: 25 m | |
| 348.172 · Black | 1 item |



Cable-carrying aid

| Handle facilitates transport of long cables or tubes Adjustable and pliable | | | Ĭ |
|--|--|--------|---|
| Art. no. Version | | Unit | |
| Cable-carrying aid | | | 5 |
| 394.179 · Orange | | 1 item | |

CEE extension cable, 16A/400V ~ , rubber / neoprene, IP44, 70 $^\circ\text{C}$

 \cdot End 1: CEE plug 16A/6 h/400V

· End 2: CEE coupling 16A/6 h/400V

 \cdot Suitable for use out of doors and on construction sites

| Art. no. Version | Unit |
|--|--------|
| CEE extension cable, H07RN-F5G 1.5 mm ² | |
| Length: 5 m | |
| 344.170 · Black | 1 item |
| Length: 10 m | |
| 344.171 · Black | 1 item |
| Length: 25 m | |
| 344.172 · Black | 1 item |
| CEE extension cable, H07RN-F5G 1.5 mm ² , with phase inverter | |
| Length: 10 m | |
| 344.174 · Black | 1 item |
| Length: 25 m | |
| 344.175 · Black | 1 item |
| CEE extension cable, H07RN-F5G 2.5 mm ² | |
| Length: 5 m | |
| 347.170 · Black | 1 item |
| Length: 10 m | |
| 347.171 · Black | 1 item |
| Length: 25 m | |
| 347.172 · Black | 1 item |





MEISTERTROMMEL CABLE REELS

For professionals, the BACHMANN Meistertrommel is the ideal cable reel. The Meistertrommel keeps you on the safe side - with the assurance of Bachmann's renowned quality. To document this, every Meistertrommel is individually tested and issued with a certificate of inspection.

The advantages at a glance

- Resistant to fuel and oil substances. Good resistance to chemicals Weatherproof, no rust, no corrosion!
- Temperature stability range -15 °C to +60 °C
- IP54

| | 10 3 |
|----------------------------|------|
| Meistertrommel cable reels | () |
| | |

Art. no. Version

Meistertrommel 4 x earthing contact

 Empty reel

 399.000
 · 4 socket outlets with earthing contact

25 m H07RN-F3G 1.5 mm², black

399.003 · 4 German-type socket outlets, with earthing contact central plug

Meistertrommel 4 x earthing contact 40 m H07RN-F3G 1.5 mm², black

399.004 · 4 German-type socket outlets, with earthing contact central plug

50 m H07RN-F3G 1.5 mm², black

399.005 · 4 German-type socket outlets, with earthing contact central plug

40 m H07RN-F3G 2.5 mm², black

399.006 · 4 German-type socket outlets, with earthing contact central plug

| Meistertro | Meistertrommel 3 x earthing contact, 1 x CEE | | |
|------------|--|--|--|
| Empty reel | | | |
| 399.007 | · 3 socket outlets with earthing contact | | |
| | · 1 CEE socket outlet 16A | | |
| | | | |

25 m H07RN-F5G 2.5 mm², black

 399.009
 · 3 socket outlets with earthing contact

 · 1 CEE socket outlet 16A with CEE plug 16A

 Meistertrommel Site Manager Austria

 40 m XYMM-J3G 1.5 mm², yellow

 399.012
 · 4 German-type socket outlets, with earthing contact central plug

Meistertrommel other

399.010* • Empty reel with closed plate for user's own fitting







CABLE REEL



| ntegrated | cable winder and stop brake | |
|------------|---|--------|
| Art. no. | Version | Unit |
| Empty ree | l, plastic, large, holds up to 50 m H05VV-F 3G 1.50 mm² cable | |
| 397.003 | Disc diameter 290 mm | 1 item |
| | · Reel: black | |
| | | |
| | | |
| Cable ree | l, 4-way, 16A/250V~, IP20 🛛 🌍 💻 | |
| A socket (| outlets with earthing contact 250V~ without lid | |
| | 1-pin thermal safety switch | |
| Integrated | | |
| | L., . | 1 |
| Art. no. | Version | Unit |
| | ble reel, cable: H05VV-F 3G 1.50 mm ² | |
| 25 m | | |
| 392.180 | Central plug with dual earthing contact system | 1 item |
| | · Cable: black, reel: black | |
| 50 m | | |
| 392.181 | · Central plug with dual earthing contact system | 1 item |
| | · Cable: black, reel: black | |
| | | |
| Plastic ca | ble reel, cable: H05RR-F 3G 1.50 mm ² | |
| 25 m | 1 | |
| 395.180 | · Earthing contact central plug | 1 item |
| | · Cable: black, reel: black | |
| 50 m | | |
| 395.181 | · Earthing contact central plug | 1 item |
| | · Cable: black, reel: black | |
| | 1 | 1 |
| | pty reel, large, holds up to 50 m H05RR-F 3G 1.50 mm ² cable | 4.9 |
| 396.181 | Disc diameter 280 mm | 1 item |
| | · Reel: black | |
| Shoot oto | $1 \text{ coble real cobley H05/0/ E 2G 1 50 mm}^2$ | |
| 25 m | el cable reel, cable: H05VV-F 3G 1.50 mm ² | |
| 200 100 | Control plug with dual parthing contact system | 1 itom |

 398.183
 · Central plug with dual earthing contact system

 · Cable: black, reel: silver

1 item

| Art. no. | Version | | Unit |
|------------|--|--|--------|
| Sheet stee | el cable reel, cable: H05RR-F 3G 1.50 mm ² | | |
| 25 m | | | |
| 398.181 | Earthing contact central plug Cable: black, reel: silver | | 1 item |
| 50 m | | | |
| 398.182 | Earthing contact central plug Cable: black, reel: silver | | 1 item |



Sheet steel empty reel, large 396.182 · Disc diameter 290 mm · Reel: silver

Cable reel, 3-way, 16A/250V~

 \cdot 3 socket outlets with earthing contact 250V~ with hinged lid

· Integrated 1-pin thermal safety switch

 \cdot Splash-proof – for outdoor use

| Plastic cable reel, cable: H07RN-F 3G 1.50 mm² 25 m, IP44 392.182 • Earthing contact central plug • Cable: black, reel: black 1 item 40 m, IP44 392.183 • Earthing contact central plug • Cable: black, reel: black 1 item 392.183 • Earthing contact central plug • Cable: black, reel: black 1 item 91 • Disc diameter 280 mm • Reel: black 1 item Sheet steel cable reel, cable: H05RR-F 3G 1.50 mm² 1 item 50 m, IP20 1 item 398.186 • Earthing contact central plug • Cable: black, reel: silver 1 item Sheet steel cable reel, cable: H07RN-F 3G 1.50 mm² 1 item 938.180 • Earthing contact central plug • Cable: black, reel: silver 1 item Sheet steel cable reel, cable: H07RN-F 3G 1.50 mm² 1 item 938.180 • Earthing contact central plug • Cable: black, reel: silver 1 item Sheet steel empty reel, holds up to 40 m cable 1 item 936.187 • Disc diameter 280 mm • Reel: silver 1 item | Art. no. | Version | Unit |
|--|------------|---|--------|
| 392.182 • Earthing contact central plug 1 item 40 m, IP44 1 392.183 • Earthing contact central plug 1 item 392.183 • Earthing contact central plug 1 item 92.183 • Earthing contact central plug 1 item 92.183 • Earthing contact central plug 1 item • Cable: black, reel: black 1 item Plastic empty reel, cable up to max. 40 m 396.183 • Disc diameter 280 mm 1 item • Reel: black 1 item Sheet steel cable reel, cable: H05RR-F 3G 1.50 mm² 1 item 50 m, IP20 398.186 • Earthing contact central plug 1 item • Cable: black, reel: silver 1 item 1 item Sheet steel cable reel, cable: H07RN-F 3G 1.50 mm² 1 item 40 m, IP44 398.180 • Earthing contact central plug 1 item • Cable: black, reel: silver 1 item 1 item Sheet steel empty reel, holds up to 40 m cable 1 item 1 item 396.187 • Disc diameter 280 mm 1 item 1 item | Plastic ca | ble reel, cable: H07RN-F 3G 1.50 mm ² | |
| • Cable: black, reel: black 40 m, IP44 392.183 • Earthing contact central plug 1 item • Cable: black, reel: black 1 item Plastic empty reel, cable up to max. 40 m 396.183 • Disc diameter 280 mm 1 item · Reel: black 1 item · Reel: black 1 item Sheet steel cable reel, cable: H05RR-F 3G 1.50 mm² 50 m, IP20 1 item 398.186 • Earthing contact central plug 1 item • Cable: black, reel: silver 1 item 1 item Sheet steel cable reel, cable: H07RN-F 3G 1.50 mm² 1 item · Cable: black, reel: silver 1 item 1 item Sheet steel cable reel, cable: H07RN-F 3G 1.50 mm² 1 item 1 item · Cable: black, reel: silver 1 item 1 item 1 item Sheet steel cable reel, cable: H07RN-F 3G 1.50 mm² 1 item 1 item 1 item · Cable: black, reel: silver 1 item 1 item 1 item 1 item · Cable: black, reel: silver 1 item · Disc diameter 280 mm 1 item 1 item 1 item <td>25 m, IP44</td> <td></td> <td></td> | 25 m, IP44 | | |
| 40 m, IP44 392.183 • Earthing contact central plug 1 item • Cable: black, reel: black 1 item Plastic empty reel, cable up to max. 40 m 396.183 • Disc diameter 280 mm 396.183 • Disc diameter 280 mm 1 item • Reel: black 1 item Sheet steel cable reel, cable: H05RR-F 3G 1.50 mm² 50 m, IP20 398.186 • Earthing contact central plug 1 item • Cable: black, reel: silver 1 item Sheet steel cable reel, cable: H07RN-F 3G 1.50 mm² 1 item 398.186 • Earthing contact central plug 1 item • Cable: black, reel: silver 1 item Sheet steel cable reel, cable: H07RN-F 3G 1.50 mm² 40 m, IP44 398.180 • Earthing contact central plug 1 item • Cable: black, reel: silver 1 item Sheet steel empty reel, holds up to 40 m cable 396.187 • Disc diameter 280 mm 1 item | 392.182 | | 1 item |
| 392.183 • Earthing contact central plug 1 item • Cable: black, reel: black 1 item 9lastic empty reel, cable up to max. 40 m 1 396.183 • Disc diameter 280 mm 1 item • Reel: black 1 item Sheet steel cable reel, cable: H05RR-F 3G 1.50 mm² 1 50 m, IP20 398.186 • Earthing contact central plug 1 item • Cable: black, reel: silver 1 1 Sheet steel cable reel, cable: H07RN-F 3G 1.50 mm² 1 1 398.186 • Earthing contact central plug 1 item 1 • Cable: black, reel: silver 1 1 1 Sheet steel cable reel, cable: H07RN-F 3G 1.50 mm² 40 m, IP44 1 1 398.180 • Earthing contact central plug 1 1 1 • Cable: black, reel: silver 1 1 1 1 Sheet steel empty reel, holds up to 40 m cable 1 3 1 1 1 396.187 • Disc diameter 280 mm 1 1 1 1 1 | | · Cable: black, reel: black | |
| · Cable: black, reel: black Plastic empty reel, cable up to max. 40 m 396.183 · Disc diameter 280 mm · Reel: black 1 item Sheet steel cable reel, cable: H05RR-F 3G 1.50 mm² 50 m, IP20 398.186 · Earthing contact central plug · Cable: black, reel: silver Sheet steel cable reel, cable: H07RN-F 3G 1.50 mm² 40 m, IP44 398.180 · Earthing contact central plug · Cable: black, reel: silver Sheet steel cable reel, cable: H07RN-F 3G 1.50 mm² 40 m, IP44 398.180 · Earthing contact central plug · Cable: black, reel: silver Sheet steel empty reel, holds up to 40 m cable 396.187 · Disc diameter 280 mm | 40 m, IP44 | | |
| Plastic empty reel, cable up to max. 40 m 396.183 · Disc diameter 280 mm 1 item · Reel: black 1 item Sheet steel cable reel, cable: H05RR-F 3G 1.50 mm² 50 m, IP20 398.186 · Earthing contact central plug 1 item · Cable: black, reel: silver 1 item Sheet steel cable reel, cable: H07RN-F 3G 1.50 mm² 1 item Sheet steel cable reel, cable: H07RN-F 3G 1.50 mm² 1 item Sheet steel cable reel, cable: H07RN-F 3G 1.50 mm² 1 item Sheet steel cable reel, cable: H07RN-F 3G 1.50 mm² 1 item Sheet steel cable reel, cable: H07RN-F 3G 1.50 mm² 1 item Sheet steel cable reel, cable: H07RN-F 3G 1.50 mm² 1 item 398.180 · Earthing contact central plug 1 item · Cable: black, reel: silver 1 item Sheet steel empty reel, holds up to 40 m cable 1 item 396.187 · Disc diameter 280 mm 1 item | 392.183 | Earthing contact central plug | 1 item |
| 396.183 • Disc diameter 280 mm 1 item • Reel: black 1 item Sheet steel cable reel, cable: H05RR-F 3G 1.50 mm² 1 50 m, IP20 398.186 • Earthing contact central plug 1 item 398.186 • Earthing contact central plug 1 item • Cable: black, reel: silver 1 item Sheet steel cable reel, cable: H07RN-F 3G 1.50 mm² 40 m, IP44 398.180 • Earthing contact central plug 1 item • Cable: black, reel: silver 1 item Sheet steel empty reel, holds up to 40 m cable 1 item 396.187 • Disc diameter 280 mm 1 item | | · Cable: black, reel: black | |
| · Reel: black Sheet steel cable reel, cable: H05RR-F 3G 1.50 mm² 50 m, IP20 398.186 · Earthing contact central plug · Cable: black, reel: silver Sheet steel cable reel, cable: H07RN-F 3G 1.50 mm² 40 m, IP44 398.180 · Earthing contact central plug · Cable: black, reel: silver 98.180 · Earthing contact central plug · Cable: black, reel: silver Sheet steel empty reel, holds up to 40 m cable 396.187 · Disc diameter 280 mm | Plastic em | oty reel, cable up to max. 40 m | |
| Sheet steel cable reel, cable: H05RR-F 3G 1.50 mm² 50 m, IP20 398.186 • Earthing contact central plug • Cable: black, reel: silver Sheet steel cable reel, cable: H07RN-F 3G 1.50 mm² 40 m, IP44 398.180 • Earthing contact central plug • Cable: black, reel: silver 1 item • Cable: black, reel: silver Sheet steel empty reel, holds up to 40 m cable 396.187 • Disc diameter 280 mm | 396.183 | · Disc diameter 280 mm | 1 item |
| 50 m, IP20 398.186 · Earthing contact central plug 1 item · Cable: black, reel: silver 1 item Sheet steel cable reel, cable: H07RN-F 3G 1.50 mm² 40 m, IP44 398.180 · Earthing contact central plug 1 item · Cable: black, reel: silver 1 item Sheet steel empty reel, holds up to 40 m cable 1 item 396.187 · Disc diameter 280 mm 1 item | | · Reel: black | |
| 50 m, IP20 398.186 · Earthing contact central plug 1 item · Cable: black, reel: silver 1 item Sheet steel cable reel, cable: H07RN-F 3G 1.50 mm² 40 m, IP44 398.180 · Earthing contact central plug 1 item · Cable: black, reel: silver 1 item Sheet steel empty reel, holds up to 40 m cable 1 item 396.187 · Disc diameter 280 mm 1 item | | | |
| 398.186 • Earthing contact central plug 1 item • Cable: black, reel: silver 1 item Sheet steel cable reel, cable: H07RN-F 3G 1.50 mm² 40 m, IP44 398.180 • Earthing contact central plug 1 item • Cable: black, reel: silver 1 item Sheet steel empty reel, holds up to 40 m cable 1 item 396.187 • Disc diameter 280 mm 1 item | | | |
| Cable: black, reel: silver Sheet steel cable reel, cable: H07RN-F 3G 1.50 mm ² 40 m, IP44 398.180 · Earthing contact central plug · Cable: black, reel: silver Sheet steel empty reel, holds up to 40 m cable 396.187 · Disc diameter 280 mm 1 item | 50 m, IP20 | | |
| Sheet steel cable reel, cable: H07RN-F 3G 1.50 mm² 40 m, IP44 398.180 • Earthing contact central plug 1 item · Cable: black, reel: silver 1 item 1 Sheet steel empty reel, holds up to 40 m cable 396.187 • Disc diameter 280 mm 1 item | 398.186 | | 1 item |
| 40 m, IP44 398.180 • Earthing contact central plug 1 item • Cable: black, reel: silver 1 Sheet steel empty reel, holds up to 40 m cable 1 396.187 • Disc diameter 280 mm 1 item | | · Cable: black, reel: silver | |
| 398.180 · Earthing contact central plug 1 item · Cable: black, reel: silver 1 Sheet steel empty reel, holds up to 40 m cable 1 396.187 · Disc diameter 280 mm 1 item | Sheet stee | el cable reel, cable: H07RN-F 3G 1.50 mm ² | |
| Cable: black, reel: silver Sheet steel empty reel, holds up to 40 m cable 396.187 Disc diameter 280 mm 1 item | 40 m, IP44 | | |
| Sheet steel empty reel, holds up to 40 m cable 396.187 · Disc diameter 280 mm 1 item | 398.180 | Earthing contact central plug | 1 item |
| 396.187 · Disc diameter 280 mm 1 item | | · Cable: black, reel: silver | |
| | Sheet stee | l empty reel, holds up to 40 m cable | |
| · Reel: silver | 396.187 | · Disc diameter 280 mm | 1 item |
| | | · Reel: silver | |





PROFESSIONAL CABLE REEL

The advantages

at a glance

- Splash water protection IP44
- Integrated thermal cut-out
- For outdoor use

Professional cable reel, 3-way, 16A/250V~

- \cdot 3 earthing contact socket outlets with hinged lid
- · Integrated 1-pin thermal safety switch
- \cdot Dual tubular frame
- \cdot Reel body made from unbreakable special plastic

() **—**



| Art. no. | Version | Unit |
|-------------|---|--------|
| Profession | al cable reel, cable: H07RN-F 3G 1.50 mm ² | |
| 25 m | | |
| 399.181 | Earthing contact central plug Cable: black, reel: black | 1 item |
| 40 m | | |
| 399.182 | Earthing contact central plug Cable: black, reel: black | 1 item |
| Empty reel, | holds up to 40 m H05RN-F 3G 1.50 mm ² cable | |
| 396.184 | Disc diameter 280 mm Reel body in unbreakable plastic, black | 1 item |

Professional cable reel, 3-way, 16A/400V~

- · 1 CEE socket outlet 16A/400V
- \cdot 2 socket outlets with earthing contact 250V ~ with hinged lid
- · Integrated 3-pin thermal safety switch
- · Dual tubular frame



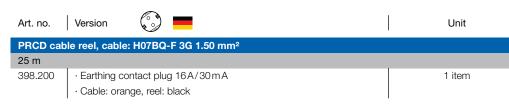
| Art. no. | Version | | Unit |
|------------|--|--|--------|
| Profession | nal cable reel, cable: H07RN-F 5G 1.50 mm ² | | |
| 25 m | | | |
| 399.180 | · CEE plug 16A/400V~ | | 1 item |
| | · CEE plug 16A/400V~ · Reel body made from break-proof plastic · Cable: black, reel: black | | |
| | · Cable: black, reel: black | | |



| Professional cable reel, cable: H07RN-F 5G 2.50 mm ² | | | | |
|---|---|--------|--|--|
| 40 m | | | | |
| 399.186 | CEE plug 16A/400V~ Reel body made from unbreakable hard rubber Cable: black | 1 item | | |

Cable reel with portable RCD, 3-way

- \cdot 3 earthing contact socket outlets with hinged lid and built-in 1-pole thermal cut-out
- \cdot Dual tubular frame, reel body made from unbreakable hard rubber





Professional cable reel, 4-way, 16A/250V~

 \cdot 4 earthing contact socket outlets with hinged lid, with 1-pole thermal cut-out

 \cdot Dual tubular frame, reel body made from unbreakable hard rubber

| Art. no. | Version | Unit | 0 |
|-----------|--|--------|---------------|
| Professio | nal cable reel, cable: H07RN-F 3G 2.50 mm ² | | |
| 50 m | | | |
| 399.189 | Earthing contact central plug | 1 item | · · · · · · · |
| | · Cable: black | | |

Replacement parts for cable reels

| Art. no. Version | | Unit |
|---|--|--------|
| Thermal cut-out | | |
| 1-pole (suitable for all cable reels, page 268 - 271) | | |
| 900.180 · Red | | 1 item |
| 3-pole | | |
| 900.181 · Red | | 1 item |
| Socket insert | | |
| 4-way, with thermal cut-out | | |
| 900.187 · Black | | 1 item |
| 3-way with cover with thermal protection | | |
| 910.105 · Cover: red, plate: black | | 1 item |
| 2 x socket outlets with earthing contact, 1 x CEE socket outlet 16A/400V \sim | | |
| 2-way with hinged lid, without thermal cut-out | | |
| 910.106 · Cover: red, plate: black | | 1 item |



Construction site

Cable box, 4-way, 16A/250V ~ 🕥 📕

- \cdot 4 earthing contact socket outlets with built-in thermal cut-out, 1-pole
- \cdot Right angle plug with dual earthing contact system, version with handle and winding crank

| Art. no. | Version | Unit |
|-----------|---|---------|
| Cable box | κ, cable: H05VV-F 3G 1.50 mm ² | |
| 10 m | | |
| 393.002 | Max. load capacity: 3500W fully unwound, 1200W fully wound Child-proof Cable: black, box: black | 6 items |
| Cable box | α, cable: H05VV-F 3G 1.50 mm² | |
| 20 m | | |
| 393.006 | Highly break-proof design Max. load capacity: 3500 W fully unwound, 1,000 W fully wound Cable: black, box: black / blue | 1 item |





| Art. no. | Unit | |
|-----------|---|--------|
| Cable ree | l with automatic spring rewind | |
| 15 m | | |
| 392.187 | · Cable H07RN-F 3G 1.5 with earthing contact plug | 1 item |
| | 4-socket outlets with hinged lid | |
| | · 230 V / 16 A / max. 3500 W unwound and 1000 W wound | |
| | · VDE thermal cut-out | |
| | • with plastic handle, plastic frame; colour: blue | |

()

Power Bag, max. 16A/3600W, IP44

Cable reel, 4-way, 16A/250V~/IP44

- \cdot 4 sockets with earthing contact, splashproof to IP44
- · 2.0 m H07RN-F 3G 1.50 mm²
- \cdot With carry handle and practical cable winding device
- · Compact construction
- \cdot Ideal for outdoor use



| Art. no. | Version | Unit |
|----------|--|--------|
| Power Ba | g with 4 earthing contact socket outlets and PRCD | |
| IP44 | | |
| 393.011 | Light grey / green PRCD with test function Tripping current < 30 mA, tripping time < 30 ms | 1 item |

Solid rubber distributor, IP44

| | | ס, וו דד | | - î x |
|------------|----------------------------|--|--------|--|
| Art. no. | Version | | Unit | - CA |
| Solid rubb | per distributor | | | The second s |
| 2.0 m supp | ply cable H07RI | N-F5G 6.00 mm ² | | |
| 349.020 | · Input: | - 1 x CEE plug 32 A/400 V~ | 1 item | |
| | · Outlet: | - 1 x CEE socket outlet 32A/400V~ | | |
| | | - 2 x CEE socket outlet 16A/400V~ | | |
| | | - 3 x earthing contact sockets 16A/250V~ | | |
| | · Protection: | - 1 x MCB 16A/3-pole | | |
| | | - 3 x MCB 16A/1-pole | | |
| | | - 1 x RCD, 40 A / 0.03 A / 4-pole on all outputs | | all a |
| 2.0 m supp | ply cable H07RI | N-F3G 2.50 mm ² | | |
| 349.185 | · Input: | - 1 x solid rubber earthing contact plug 16A/250V~ | 1 item | |
| | · Outlet: | - 6 x earthing contact sockets 16A/250V~ | | |
| 2.0 m supp | ply cable H07R | N-F5G 2.50 mm ² | | |
| 349.184 | Input: | - 1 x CEE plug 16A/400V~ | 1 item | |
| | · Outlet: | - 1 x CEE socket outlet 16A/400V~ | | |
| | | - 3 x earthing contact sockets 16A/250V~ | | |
| | | | | |
| P44 pow | ver strin | 3 | | |
| | | <i>•</i> | | — |
| Art. no. | Version | 1 | Unit | NEW |
| 3-way ear | thing contact r | power strip with covers | | |
| IP44; 230\ | | | | |
| | | | | |

| 3-way ear | thing contact power strip with covers | |
|-------------|--|--------|
| IP44; 230 V | , 16A | |
| 381.109 | Design: DIN 49 440 part 1 With attachment eye and four fixing points Solid elastomer version | 1 item |
| | | |

Current limiter and current meter

| Art. no. | Version | | Unit | | | |
|-------------|--|--|--------|---|--|--|
| Start inrus | Start inrush current limiter | | | | | |
| 230V 1-ph | ase | | | | | |
| 349.017 | Input: 1.5 m cable H07RN-F 3G 1.5 with earthing contact plug, black Outlet: 1x CEE earthing contact socket 230V / 16A, 3-pole Suitable for MCB 16A characteristic B, C IP44 | | 1 item | ¢ | | |
| 400 V 3-ph | ase | | | | | |
| 349.018 | Input: 1.5 m cable H07RN-FG 1.5 m; with CEE plug 400V/16A 5-pole Outlet: 1 x CEE socket 400V / 16A, 5-pole Suitable for MCB 16A characteristic C, D IP44 | | 1 item | | | |

| Current meter MID 230V | | | |
|------------------------|---|--------|--|
| 349.019 | Input: 1 x 1.5 m H07RN-F 3G 2.5 with earthing contact plug | 1 item | |
| | · Outlet: 1 x 1.5 m H07RN-F 3G 2.5 with earthing contact coupling | | |
| | Integrated current meter and operating hours counter; | | |
| | · MID counter, calibrated and sealed, cannot be reset | | |
| | · Housing in special unbreakable plastic | | |



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CEE distributor, 250V~/400V~, IP44

- \cdot Highly unbreakable plastic construction, splash water protected
- \cdot Ideal for mobile use out of doors

· IP44

 \cdot With practical cable rewind and integral carrying handle



| Art. no. | Version | | | Unit |
|-----------|----------------------------|--|---|--------|
| CEE distr | ibutor | | | |
| 2.0 m sup | ply cable H07RN | V-F5G 2.50 mm ² | | |
| 349.008 | Input: | - 1 x CEE plug 16A/400V~ | | 1 item |
| | · Outlet: | - 2 x CEE socket outlet 16A/400V~ | | |
| | | - 4 x earthing contact sockets 16A/250V~ | | |
| CEE distr | ibutor with prot | tection | | |
| | | N-F5G 2.50 mm ² | | |
| 349.009 | · Input: | - 1 x CEE plug 32 A/400 V~ | | 1 item |
| | · Outlet: | - 1 x CEE socket outlet 32A/400V~ | | |
| | | - 1 x CEE socket outlet 16A/400V~ | | |
| | | - 4 x earthing contact sockets 16A/250V~ | | |
| | · Protection: | - 1 x C16A circuit breaker, 3-pole | | |
| | | - 2 x C16A circuit breaker, 1-pole | | |
| 349.010 | Input: | - 1 x CEE plug 32 A/400 V~ | | 1 item |
| | · Outlet: | - 1 x CEE socket outlet 32A/400V~ | | |
| | | - 1 x CEE socket outlet 16A/400V~ | | |
| | | - 4 x earthing contact sockets 16A/250V~ | | |
| | · Protection: | - 1 x RCD, 40 A / 0.03 A / 4-pole on all outputs | | |
| | | - 1 x C16A circuit breaker, 3-pole | | |
| | | - 2 x C16A circuit breaker, 1-pole | | |
| | | | 1 | |



| CEE distri | butor with prot | ection | |
|------------|----------------------------|---|--------|
| Supply cat | ole: 2 m H07RN | -F 5G 4 2.50 mm ² | |
| 349.011 | Input: | - CEE plug 400 V / 32 A / 5-pole | 1 item |
| | · Outlet: | - 2 x CEE socket outlets 400V/32A/ 5-pole | |
| | | - 2 x CEE socket outlets 400 V/16 A/ 5-pole | |
| | | - 4 x earthing contact sockets 230 V / 16 A | |
| | · Protection: | - 1 x RC circuit breaker 40 A, 30 mA, 4-pole | |
| | | - 2 x miniature circuit breaker C16A, 1-pole | |
| | | - 1 x miniature circuit breaker C16A, 3-pole | |
| | Housing mad | de of special shatter-proof plastic and carrying handle | |
| | · IP44 | | |

Power distributors are not suited to use as construction power distributors or for heavy-duty work on the construction site.

CEE adaptor, 400V~, IP44

 \cdot Highly unbreakable special plastic version, protected from splash water

 \cdot For outdoor use, hanger included

| Art. no. | Version | | Unit |
|------------|---|---|----------|
| CEE adap | tor | | |
| 349.012 | · Input: | 1 x CEE plug 16A/400V~ | 1 item |
| 0.01012 | · Outlet: | 1 x CEE socket outlet 32A/400V~ | |
| 0.40.000 | 1 | | |
| 349.006 | Input: Outlet: | 1 x CEE plug 16A/400V~ 1 x CEE socket outlet 16A/400V~ | 1 item |
| | · Outlet. | 1 x CEE socket outlet $32A/400V \sim$ | |
| | | 2 x earthing contact socket outlets 250 V~ | |
| | 1 | | |
| 349.028 | · Input: | 1 x CEE plug 16A/400V~ | 1 item |
| | · Outlet: | 3 x earthing contact sockets 16A/250V~ | |
| 349.033 | · Input: | 1 x CEE plug 16A/400V~ | 1 item |
| | · Outlet: | 3 x CEE socket outlets 16A/400V~ | |
| | 1 | | |
| 349.029 | · Input: | 1 x CEE plug 16A/400V~ | 1 item |
| | · Outlet: | 1 x CEE socket outlet 16A/400V~ | |
| | | 3 x earthing contact sockets 16A/250V~ | |
| Protection | : 3 x 10A fu | ISE | |
| 349.183 | Input: | 1 x CEE plug 32 A/400 V~ | 1 item |
| | · Outlet: | 1 x CEE socket outlet 16A/400V~ | |
| | : 3 x 10A fu | | |
| 349.007 | Input: | 1 x CEE plug 32 A/400 V~ | 1 item |
| | · Outlet: | 1 x CEE socket outlet 16A/400V~ | |
| | | 1 x CEE socket outlet 32A/400V~ | |
| | | 1 x earthing contact socket outlet 250V~ | |
| | | 5 m supply cable: H07RN-F5G 1.5 mm ² | |
| | rewireable | | 1 14.000 |
| 349.027 | Input: | 1 x CEE plug 16A/400V~ | 1 item |
| | • Outlet: | 3 x earthing contact socket outlets 250V~ | |
| Screwed / | rewireable | | |







1 item

Replacement parts

· Fuse protection socket for CEE adapter 900.1086

1 x CEE plug 16A/400V~

3 x CEE socket outlets 16A/400V~

· Fuse holder for CEE adapter 900.1061

· Input:

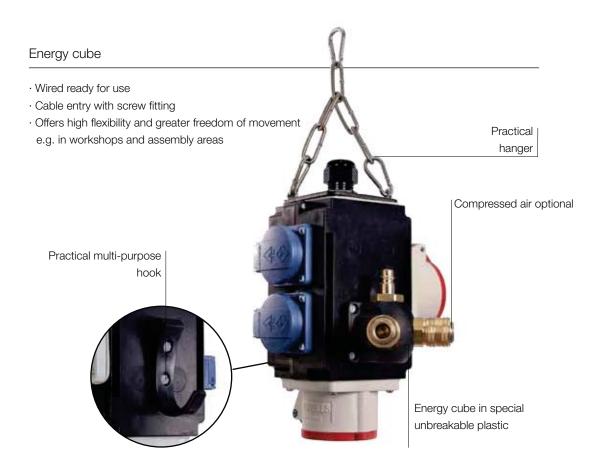
· Outlet:

· Miniature fuse

349.035



Construction site





| | Art. no |
|----|---------|
| | Energy |
| 11 | For cal |
| | 349.30 |

349.301

| Art. no. | Version | | |
|--------------|---------------|-------------|------------|
| Energy cu | ıbe 4 x earth | ning contac | ;t |
| For cable of | diameters 3 | x 1.5 mm² – | 5 x 1.5 mm |
| | | | |

- 349.300 · 4 socket outlets with earthing contact 16A/230V
 - 4 socket outlets with earthing contact 16A/230V
 - \cdot 1 compressed-air supply with input 1/2" and 2 x output 1/2"



| | Energy cube 1 x CEE, 4 x earthing contact | | | |
|---|---|---|--|--|
| I | For cable c | liameters 5 x 1.5 mm ² – 5 x 2.5 mm ² | | |
| | 349.302 | 1 CEE socket outlets 16 A/400 V, 5-pole | | |
| | | · 4 socket outlets with earthing contact 16A/230V | | |
| | 349.303 | · 1 CEE socket outlets 16 A/400 V, 5-pole | | |
| | | 4 socket outlets with earthing contact 16A/230V | | |
| | | \cdot 1 compressed-air supply with input ½" and 2 x output ½ | | |



| Energy cu | be, 2 x CEE, 2 x earthing contact |
|--------------|---|
| For cable of | diameters 5 x 1.5 mm ² – 5 x 4 mm ² |
| 349.304 | · 2 CEE socket outlets 16A/400V, 5-pole |
| | · 2 socket outlets with earthing contact 16A/230V |
| 349.305 | · 2 CEE socket outlets 16A/400V, 5-pole |
| | · 2 socket outlets with earthing contact 16A/230V |
| | \cdot 1 compressed-air supply with input 1/2" and 2 x outlet 1/2" |

Energy cube

| Art. no. | Version | Unit |
|----------|--|--------|
| | ube with data connection | |
| IP44 | 1 | 1 |
| 349.310 | · 4 x earthing contact sockets 16A/230V | 1 item |
| | · 1 x CEE socket outlet 16A | |
| | 1 x compressed air point with ½" input | |
| | · 2 x ½" compressed air output | |
| | · 1 x data outlet IP67 with 2 x RJ45 Cat. 6 module | |
| | · Cable entry with screw fitting from 5G 1.5 to 5G 2.5 | |
| | · Made of special shatter-proof plastic | |
| | · Wired ready for use | |
| 349.311 | 2 x earthing contact sockets 16A/230V | 1 item |
| | 2 x CEE socket outlets 16A | |
| | 1 x compressed air point with 1/2" input | |
| | 2 x 1/2" compressed air output | |
| | 1 x data outlet IP67 with 2 x RJ45 Cat. 6 module | |
| | Cable entry with screw fitting from 5G 2.5 to 5G 4 | |
| | Made of special unbreakable plastic | |
| | Wired ready for use | |
| | | I |
| CEE adap | oter with MCB | |
| IP44 | | |
| 349.013 | Adapter CEE 400 V | 1 item |
| | Input: 1 CEE plug 32A; output: 1 CEE socket outlet 16A | |
| | Rubberised housing | |
| | Protection: 1 x miniature circuit breaker C16A, 3-pole | |
| | | |
| | | |
| | | |
| | | |

CEE wall combination socket, 400V~/6h/5-pin, IP44, according to IEC 309

| Art. no. | Version | Unit | |
|-------------------------------|--|--------|---|
| CEE wall | combo outlet (must be fitted by a qualified technician) | | |
| 1 x CEE w | all socket 400 V ~, 1 x earthing contact socket outlet 250 V ~ | | 1 |
| Polycarbo | nate version with cable kink protection, splash-proof | | - |
| 910.002 | · 16A | 1 item | |
| | ·Red | | |

Suspension hooks

LED BATTERY HAND LAMPS

| The advantages | LED technology offers very long service life |
|-------------------------------------|--|
| • Battery operation for flexibility | |
| | Approx. 4 hours of lighting from one |
| | battery charge |
| | Charge time approx. 4 hours |
| | 230 V AC and 12 V DC charger included |
| | LEDs are shock resistant |
| | Minimal heat generation |
| | Willing Hoat generation |

LED battery hand lamp

- · Magnet holder
- · Plastic
- · Includes 230V~ mains adaptor
- · Individually packed in blister packaging
- \cdot dia. 6 cm

| Art. no. | Version | Unit | |
|------------|---|----------|--|
| LED batte | ry hand lamp | | |
| With autom | notive charging device | | |
| 394.188 | · 60 LEDs 3.6W with 1 magnet holder, length 42 cm | 20 items | |
| 394.189 | · 90 LEDs 5.4W with 1 magnet holder, length 47.5 cm | 20 items | |
| 394.190 | · 160 LEDs 9.6W with 2 magnet holders, length 53.5 cm | 20 items | |

| PROFESS | SIONAL LED battery hand lamps | | |
|---------|---|----------|--|
| 394.191 | · 60 + 17 LEDs for torch function, with 2 magnet holders · Including 12V charging cable for cigarette lighter in car | 20 items | |

LED battery head torch

- \cdot High light output and long life
- \cdot Small dimensions
- \cdot Lamp can be swivelled through 90°
- \cdot Adjustable rubber band allows flexible use on head or arm
- · Can be used for work, sport and leisure

| Art. no. Ve | ersion | Unit | 1. |
|---------------|--|--------|------------|
| LED battery h | ead torch | | Im' D |
| 19 LEDs | | | |
| 394.200 · li | Includes 230V~ mains adaptor | 1 item | |
| • 2 | 4 switching states: press 1 x = 1 LED, press 2 x = 7 LEDs | | S. Antesia |
| p | press $3 \text{ x} = 19 \text{ LEDs}$, press $4 \text{ x} = 19 \text{ LEDs}$ flashing | | |

Construction site

-

∩••

Stick lamp, 8W, IP20

- · 8W fluorescent lamp
- \cdot Not interchangeable, with integrated reflector
- \cdot Electronic ballast unit built into the handle, 50 HZ
- \cdot Plastic version with shock resistant protection tube and rotary hook
- \cdot 5.0 m H05VV-F 2 x 0.75 mm² supply cable with Euro plug 2.5A
- · IP20, including light bulb

| Art. no. | Version | Unit |
|-----------|---------------|------------------------------|
| Stick lam | р | Length without hook: 46.5 cm |
| IP20 | | |
| 394.184 | · Black | 1 item |
| | · dia. 1.5 cm | |

Professional stick lamp with energy saving lamp 11 W/250 V~, IP54

- · 11 W energy saving lamp
- · Interchangeable, antiglare, pleasant light
- \cdot Oil resistant rubber version with shock resistant protection tube
- \cdot Integrated reflector and stable suspension hooks
- \cdot 5.0 m H05RN-F 2 x 1.00 mm² rubber cable with contour plug
- \cdot Splash-proof and dustproof design
- · Including light bulb (Dulux S 11 Watt)



| Art. no. Version | Unit |
|---|------------------------------|
| Professional stick lamp | Length/width: 40 cm / 4.5 cm |
| IP54, protection class II, double insulated | |
| 720.006 · Black | 1 item |

Rubber hand lamp, 250V~, IP44

- · E 27 holder, max 100W
- · Interchangeable, with protective glass
- \cdot Oil resistant rubber design
- \cdot Metal basket with integrated hook, light bulbs not included



| Art. no. Version | | Unit |
|--|-------|--------------------------|
| Rubber hand lamp | Lengt | th/width: 40 cm / 4.5 cm |
| IP44, protection class II, double insulated | | |
| 394.183 · 5.0 m H05RN-F 2 x 0.75 mm ² supply cable with plug · Black | | 1 item |
| IP 40, without cable | | |
| 394.187 · Black | | 1 item |
| Replacement glass | | |
| 910.1011 · Protection glass | | 1 item |

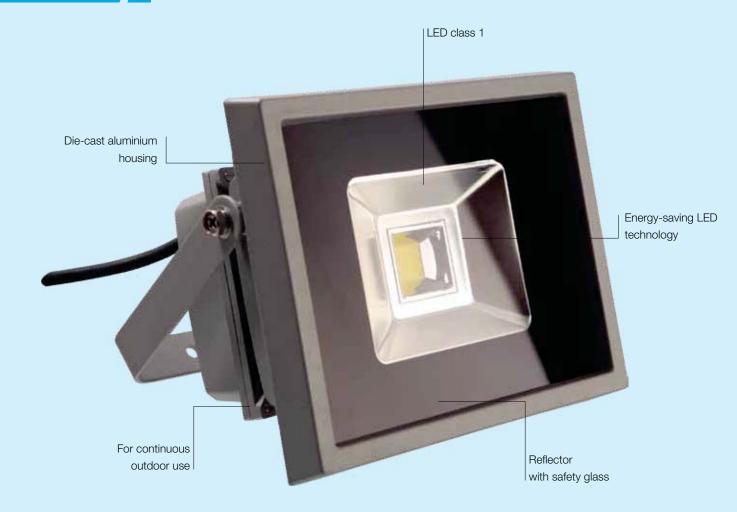
Halogen spotlight 120W with earth spike, 16A/230V~, IP44

| Art. no. Version | Unit | |
|--|--------|---|
| Halogen spotlight | | 1 |
| IP44 | | |
| \cdot 2.0 m cable: H05RN-F 3G 1.00 mm ² with right-angle plug with earthing contact | | |
| Aluminium cast housing with cooling surface | | |
| Lamp holder is turnable and pivotable | | |
| Including light bulb | | |
| 394.181 · Black | 1 item | |

E 27 holder with earth spike, 16A/230V~, IP44

| E 27 holder with earth spike, 16A/230V~, IP44 | | | |
|---|---|--------|-----|
| Art. no. Version | | Unit | |
| E 27 holder with earth spike | | | 1 |
| IP44 | | | |
| · 2.0 m cable: H05RN-F 2 x 1.00 mm ² with contour plug | | | |
| Plastic housing with seal, splash-proof | | | |
| · Lamp holder is pivotable | | | |
| · For use only with PAR38 80W light bulb (not included) | | | 1 |
| 720.000 · Black | | 1 item | - 1 |
| | · | | 1 |





LED SPOTLIGHT

The advantages

at a glance

- LED class 1LED technology offers very long service life
- Low power consumption
- Minimal heat generation
- Shock-resistant
- Robust die-cast aluminium housing
- Practical hanging, positioning and fixing options

L

| LED spotlight Art. no. Version L. too. Version L. E. C. Version L. E. C. Toose Los of a summary lossion D. C. conde almontance interaction with safety glass. | SPOTLIC | GHT / LED | | | |
|---|-----------|--|---|-----------|---------|
| Art. no. Varian Unit Chip LED specifipt | LED spot | light | | | |
| Chip LED spotlight IED class 1 Rem angle 120* Do cast aluminum housing IED class 1 Rem angle 120* Do cast aluminum housing IED class 1 Rem angle 120* Rem angle 02* Rem angle 03* Rem angle 04* Rem angle 04* <li< th=""><th></th><th></th><th>1</th><th>l loit</th><th></th></li<> | | | 1 | l loit | |
| LDD class 1 ·Baim angle 120* ·De cast aluminum housing ·Portable and lockable reflector with safety glass ·Pols /S00 /S00 | | I | | Unit | |
| 720.025 - approx.3020 Linear, colour temperature 6400K 1 item 800 with LED abje; 220-2407 / 50-60 Hz 1 item 720.026 - approx.7020 Linear, colour temperature 6400K 1 item 720.027 - approx.1000 Linear, colour temperature 6400K 1 item 720.028 - approx.1000 Linear, colour temperature 6400K 1 item 720.027 - approx.1000 Linear, colour temperature 6400K 1 item 720.027 - approx.1000 Linear, colour temperature 6400K 1 item 720.027 - approx.1000 Linear, colour temperature 6400K 1 item 720.028 - approx.1000 Linear, colour temperature 6400K 1 item 720.027 - approx.1000 Linear, colour temperature 6400K 1 item 720.028 - Beera angle 60° - Beera angle 60° - Beera angle 60° - Beera angle 60° - Beera angle 60° - Beera angle 60° - Beera angle 60° - Beera angle 60° - Beera angle 60° - Beera angle 60° - Beera angle 60° - Beera angle 60° - Beera angle 60° - Beera angle 60° - Beera angle 60° - Beera angle 60° - Beera angle 60° - Beera angle 60° - Beera angle 60° - Beera angle 60° | | LED class 1 Beam angle 120° Die-cast aluminium housing Pivotable and lockable reflector with safety glass | | | |
| • 2 m cable H07FN+F 3G 1.5 with earthing contact plug • • • • • • • • • • • • • • • • • • • | 50W with | LED chip; 220-240 V / 50-60 Hz | | | |
| 720.028 : approx. 7000 Lumen. colour temperature 6400K 1 Item Portable Power LED-spotlight Item 200.027 : approx. 1600 Lumen, colour temperature 6400K 1 Item 720.027 : approx. 1600 Lumen, colour temperature 6400K 1 Item 720.027 : approx. 1600 Lumen, colour temperature 6400K 1 Item 720.027 : approx. 1600 Lumen, colour temperature 6400K 1 Item 720.028 : mashe 107KNH - 53 1.0 with safety glass 1 Item • LED class 1 • Decard aluminum housing • Protable and lockable reflector with safety glass • Peos • Decard aluminum housing • Protable and lockable reflector with safety glass 1 Peos • Decard aluminum housing • Protable and lockable reflector with safety glass 1 Peos • approx. 560 Lumen, colour temperature 6400K 1 Item 720.028 • approx. 560 Lumen, colour temperature 6400K 1 Item • Peos 1 Item • inetia cable inlet for cables up to 33 1.5 mm ² • Peos 1 Item • approx. 560 Lumen, colour temperature 6400K • metal cable inlet for cables up to 33 1.5 mm ² • Item • Peos 1 Item • metal cable inlet for cables up to 33 1.5 mm ² | 720.025 | | | 1 item | |
| - 2 m cable H07RN F 3G 1.5 with earthing contact plug POrtable Power LED-spotlight 20.027 720.027 - 2 m cable H07RN F 3G 1.0 with earthing contact plug - 2 m cable H07RN F 3G 1.0 with earthing contact plug - 2 m cable H07RN F 3G 1.0 with earthing contact plug - 2 m cable H07RN F 3G 1.0 with earthing contact plug - 2 m cable H07RN F 3G 1.0 with earthing contact plug - 1P65 Protable and lockable reflector with safety glass - 1P65 Die-cast aluminium housing - Protable and lockable reflector with safety glass - 1P65 200.028 - Sports. 960 lumen, colour temperature 6400K - 2 m cable H07RN F 3G 1.0 - 1P65 1207.028 - apports. 960 lumen, colour temperature 6400K - 1P65 1207.028 - apports. 960 lumen, colour temperature 6400K - without cable - metal cable inter for cables up to 3G 1.5 mm² - 1P65 1207.028 - approx. 960 lumen, colour temperature 6400K 1 ltem 720.020 - approx. 960 lumen, colour temperature 6400K 1 ltem 720.020 - approx. 960 lumen, colour | | | | 4 11-11-1 | |
| 220.027 - approx. 1800 lumen, colour temperature 6400K 1 item 720.027 - actie HO7RN-F 3G 1.0 with earthing contact plug 1 item - LED class 1 - Beam angle 60° - Die-cast aluminium housing - Protable and lockable reflector with safety glass - IP65 Protable and lockable reflector with safety glass - Die-cast aluminium housing - Protable and lockable reflector with safety glass - Die-cast aluminium housing - Die-cast aluminium housing - Die-cast aluminium housing - Die-cast aluminium housing - Protable and lockable reflector with safety glass 10e-cast aluminium housing - Protable and lockable reflector with safety glass 11em 720.023 - approx. 960 lumen, colour temperature 6400K - urcable HO7RN-F 3G 1.0 - UP65 12W with motion detector; 220-240V / 50-60 Hz 720.029 - approx. 960 lumen, colour temperature 6400K - without cable - metal cable inlet for cables up to 3G 1.5 mm ² - uretal cable inlet for cables up to 3G 1.5 mm ² - IP65 1 item 720.020 - approx. 960 lumen, colour temperature 6400K <tr< td=""><td>720.026</td><td></td><td></td><td>T item</td><td></td></tr<> | 720.026 | | | T item | |
| 720.027 • approx. 1600 lumen, colour temperature 6400K 1 item • 2 m cable H07RN+F 33 1.0 with earthing contact plug • ED class 1 • Beam angle 60° • Die-cast aluminium housing • Protable and lockable reflector with safety glass • Item • IED class 1 • Beam angle 60° • Beam angle 60° • Die-cast aluminium housing • Protable and lockable reflector with safety glass • Die-cast aluminium housing • Protable and lockable reflector with safety glass • Die-cast aluminium housing • Protable and lockable reflector with safety glass • Die-cast aluminium housing • Protable and lockable reflector with safety glass • Die-cast aluminium housing • Protable and lockable reflector with safety glass • Die-cast aluminium housing • Protable and lockable reflector with safety glass 1 item • Die-cast aluminium housing • Protable and lockable reflector with safety glass 1 Protocol • Die • Die-cast aluminium housing • Die-cast aluminium housing • Die-cast aluminium housing • Protocol • Die 1 item 720.028 • approx.960 lumen, colour temperature 6400K 1 item • IP65 • metal cable inlet for cables up to 3G 1.5 mm ² 1 item <td< td=""><td></td><td></td><td></td><td></td><td></td></td<> | | | | | |
| Image: | | approx. 1600 lumen, colour temperature 6400K 2 m cable H07RN-F 3G 1.0 with earthing contact plug LED class 1 Beam angle 60° Die-cast aluminium housing Pivotable and lockable reflector with safety glass | | 1 item | |
| 720.028 • approx. 960 lumen, colour temperature 6400K • 2 m cable H07RN-F 3G 1.0 • IP65 1 item 12W; 220-240V / 50-60 Hz 720.029 • approx. 960 lumen, colour temperature 6400K • without cable • metal cable inlet for cables up to 3G 1.5 mm² • IP65 1 item 12W with motion detector; 220-240V / 50-60 Hz • IP65 1 item 12W with motion detector; 220-240V / 50-60 Hz • intout cable • metal cable inlet for cables up to 3G 1.5 mm² • IP65 1 item 12W with motion detector; 220-240V / 50-60 Hz • intout cable • metal cable inlet for cables up to 3G 1.5 mm² • IP44 • motion detectors: Range max 12 m • time adjustable from 9 sec to 10 min • integrated dawn switch 1 item 7W with earth spike; 220-240V / 50-60 Hz 720.031 • approx. 560 lumen, colour temperature 6400K • 1.5 m cable H07RN-F 3G 1.0 with earthing contact plug 1 item | Professio | · LED class 1 · Beam angle 60° · Die-cast aluminium housing | | | |
| - 2 m cable H07RN-F 3G 1.0 . IP65 12W; 220-240V / 50-60 Hz . approx. 960 lumen, colour temperature 6400K 1 item 720.029 - approx. 960 lumen, colour temperature 6400K 1 item . without cable - metal cable inlet for cables up to 3G 1.5 mm² 1 item . IP65 - approx. 960 lumen, colour temperature 6400K 1 item 720.030 - approx. 960 lumen, colour temperature 6400K 1 item . iP65 - metal cable inlet for cables up to 3G 1.5 mm² - ilem 720.030 - approx. 960 lumen, colour temperature 6400K 1 item . imetal cable inlet for cables up to 3G 1.5 mm² - ilet4 . motion detectors: Range max 12 m - ilet4 and - integrated dawn switch . ime adjustable from 9 sec to 10 min - integrated dawn switch 720.031 - approx. 560 lumen, colour temperature 6400K 1 item . 720.031 - approx. 560 lumen, colour temperature 6400K 1 item | 12W; 220 | -240V / 50-60 Hz | | | |
| 720.029 • approx. 960 lumen, colour temperature 6400K 1 item • without cable • metal cable inlet for cables up to 3G 1.5 mm² 1 item • IP65 • IP65 12W with motion detector; 220-240V / 50-60 Hz 1 item 720.030 • approx. 960 lumen, colour temperature 6400K 1 item • without cable • metal cable inlet for cables up to 3G 1.5 mm² 1 item • without cable • metal cable inlet for cables up to 3G 1.5 mm² 1 item • IP44 • motion detectors: Range max 12 m 1 item • time adjustable from 9 sec to 10 min • integrated dawn switch 1 item 720.031 • approx. 560 lumen, colour temperature 6400K 1 item • TW with earth spike; 220-240V / 50-60 Hz 1 item | 720.028 | · 2 m cable H07RN-F 3G 1.0 | | 1 item | |
| • without cable • metal cable inlet for cables up to 3G 1.5 mm² • IP65 12W with motion detector; 220-240V / 50-60 Hz 1 item 720.030 • approx. 960 lumen, colour temperature 6400K 1 item • without cable • metal cable inlet for cables up to 3G 1.5 mm² 1 item • metal cable inlet for cables up to 3G 1.5 mm² • IP44 • motion detectors: Range max 12 m • ime adjustable from 9 sec to 10 min • integrated dawn switch • With earth spike; 220-240V / 50-60 Hz 720.031 • approx. 560 lumen, colour temperature 6400K 1 item | 12W; 220 | -240V / 50-60 Hz | | | HERE'S |
| 720.030 • approx. 960 lumen, colour temperature 6400K 1 item • without cable • metal cable inlet for cables up to 3G 1.5 mm² • IP44 • motion detectors: Range max 12 m • time adjustable from 9 sec to 10 min • integrated dawn switch • integrated dawn switch 720.031 • approx. 560 lumen, colour temperature 6400K • 1.5 m cable H07RN-F 3G 1.0 with earthing contact plug 1 item | 720.029 | without cable metal cable inlet for cables up to 3G 1.5 mm² | | 1 item | |
| without cable metal cable inlet for cables up to 3G 1.5 mm² IP44 motion detectors: Range max 12 m time adjustable from 9 sec to 10 min integrated dawn switch 7W with earth spike; 220-240 V / 50-60 Hz 720.031 approx. 560 lumen, colour temperature 6400K 1.5 m cable H07RN-F 3G 1.0 with earthing contact plug | 12W with | motion detector; 220-240 V / 50-60 Hz | | | 1201270 |
| 720.031 • approx. 560 lumen, colour temperature 6400K • 1.5 m cable H07RN-F 3G 1.0 with earthing contact plug 1 item | 720.030 | without cable metal cable inlet for cables up to 3G 1.5 mm² IP44 motion detectors: Range max 12 m time adjustable from 9 sec to 10 min | | 1 item | |
| 1.5 m cable H07RN-F 3G 1.0 with earthing contact plug | | | 1 | | |
| | 720.031 | 1.5 m cable H07RN-F 3G 1.0 with earthing contact plug | | 1 item | |



PROFESSIONAL WORKING LAMP

For use on construction sites.

| The advantages | Uses energy-efficient fluorescent lamps |
|----------------|--|
| at a glance | Includes 4000 kelvin light bulb |
| · | Splash-proof and dust-proof design |
| | IP44 safety class |
| | Infinitely adjustable support bracket for positioning |
| | Can be stand-mounted |
| | Version with integrated earthing contact |
| | socket outlets |

Professional work lamps

- \cdot Shadow free and comfortable light.
- \cdot 250V~ earthing contact socket outlets fitted in rear of housing to allow other equipment to be connected (part nos. 720.020 and 720.021).
- \cdot Examples of use: workshops, tradesmen, ideal for outdoor use and on construction sites.

| Art. no. | Version | Unit |
|------------|---|--------|
| Profession | nal work lamp | Black |
| | | |
| 720.022 | \cdot 36W (2 x 18W), 2900 lumen, without earthing contact socket outlet | 1 item |
| | · 34 x 23 x 11 cm | |
| 720.020 | · 72W (2 x 36W), 5800 lumen, with 2 earthing contact socket outlets | 1 item |
| | · 49.5 x 28.5 x 11 cm | |
| 720.021 | · 108W (1 x 36W), 8700 lumen, with 1 earthing contact socket outlet | 1 item |
| | · 55 x 29 x 11 cm | |



Professional stand

| Robust tripod construction, zinc-plated, with mounting pate a handy cable winding point Height adjustable up to 2.50 m Weight: 6 kg | and fixing screws | | | |
|---|-------------------|--------|--------|-------------|
| Art. no. Version | | Unit | | |
| Professional stand | | | Silver | |
| | | | | |
| 730.004 · Stable construction in silver | | 1 item | | \bigwedge |

Unit

- Professional rotating light IP54
- · Compact shock-proof and shatter-proof housing
- \cdot Can stand or hang
- · approx. Ø x H: 19 x 38 cm

Art. no. Version

| 360° rotatir | ng light | |
|--------------|---|--------|
| 394.195 | including energy-saving bulb G24 42W approx. 3100 lumen, colour temperature 6400K with on/off switch very effective room lighting shatter-proof polycarbonate 2 x socket outlets with earthing contact, child-proof, black 5 m cable H07RN-F 3G 1.5 with earthing contact plug flexible fixing with hanging and mounting options | 1 item |

NEV

Mobile halogen lamp, 400W, IP44



| Art. no. Version | Unit |
|---|--------|
| Halogen mobile light | |
| IP44 | |
| 2 m cable: H05VV-F 3G 1.00 mm² with plug | |
| \cdot 400 W R7S halogen bulb included | |
| Aluminium cast housing with cooling surface | |
| \cdot Continuously adjustable frame in black with carrying handle | |
| 720.013 · Black | 1 item |



| Art. no. | Version | Unit |
|--------------|--|--------|
| Halogen me | bbile light | |
| IP44 | | |
| 2 m cable: | H05VV-F 3G 1.00 mm² with plug | |
| 400 W R7S | halogen bulb included | |
| Aluminium | cast housing with cooling surface | |
| Stand with | aluminium cast articulation, height adjustable up to 2 m | |
| With practio | cal cable rewind | |
| For use out | side | |
| 722.009 | · Stand colour: yellow, load 5-7 kg | 1 item |
| | Mobile halogen lamp | |

Lamp holders



| Art. no. | Version | | Unit |
|----------------------------|--------------------------------|--|----------|
| Lamp hol | der, pre-wired | | |
| E 27 | | | |
| · 60 W plastic E 27 holder | | | |
| • 0.2 m H0 | 3VV-F 2 x 0.75 mm ² | | |
| · Black | | | |
| · Delivery in | n units of 20 only | | |
| 641.170 | · With 2-pin terminal block | | 20 items |
| 641.171 | · With plug terminals | | 20 items |

MAXI series 1000 silicon housing

Also see page 277



 \cdot For halogen cold light mirror lamps, diameter 51 mm, 12V~, maximum 35W

- \cdot Do not use Cool Beam light bulbs
- · Triple insulation, with cable, light bulbs not included

| Art. no. Version | | Unit | | | | |
|--|--|-----------|-------|--|--|--|
| MAXI series 1000 silicon housing | | | | | | |
| With ceramic lamp holder | | | | | | |
| 924.224 · Transparent | | 1 item | - ann | | | |
| 924.225 · White | | 1 item | | | | |
| With ceramic lamp holder, supplied in bags of 50, loose | | | | | | |
| 924.332 · White | | 500 items | | | | |
| Without ceramic lamp holder, supplied in bags of 50, loose | | | | | | |
| 924.334 · White | | 500 items | - | | | |

| Series 1002 decorative rings | | | | | |
|--------------------------------------|------------------------------|----------|--|--|--|
| For MAXI series 1000 silicon housing | | | | | |
| · Dimensions: inner 5 cm, outer 8 cm | | | | | |
| 924.231 | · Chrome | 20 items | | | |
| 924.250 | Matt brushed stainless steel | 20 items | | | |



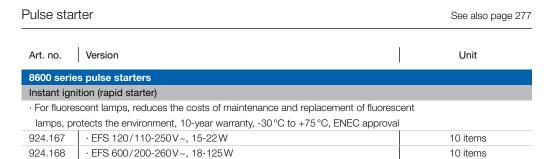
MAXI silicon housing for low-voltage recessed halogen spotlights

The MAXI silicon housing consists of a high temperature resistant high-tech elastomer with exceptional material qualities and thus a wide variety of applications:

- · Totally rust-free
- \cdot Resistant to UV, ozone and ageing
- · Heat and cold-resistant
- \cdot Excellent resistance to weather and maritime environments
- \cdot Patented
- \cdot Quick and easy to assemble and dismantle
- · No component mounting
- \cdot Light bulb changing without tools
- · No troublesome metal rings
- · Can also be used for shops and exhibition stands (to match decor!)
- · Quick mounting technology
- Mounting without springs

Can be fitted in:

- · Solid materials in different thicknesses
- \cdot Fragile materials such as
- · Plasterboard, fibreboards, chipboards, etc.



50





PERSONAL CIRCUIT BREAKERS

Personal circuit breakers with protective conductor monitoring

Recommended by the German Employers' Liability Association:

Designed as an intermediate device on power cords, this is a portable differential current protection device that isolates all poles and features electronic residual current evaluation. For alternating, pulsed DC and phase-controlled rated residual currents of 10 or 30 mA. With undervoltage tripping, protective conductor recognition and monitoring as well as external voltage detection.

When the PRCD-S detects an external voltage on the protective conductor, it does not interrupt this conductor. This allows the external current to trip its own upstream RCD or MCB protectors.

Mobile protective switching device PRCD-S 230V~, 16A, 30mA extension cable, IP44

· Cable lengths: plug – PRCD-S: 0.15 m

PRCD-S – coupling: 3.0 m

 \cdot Mobile safety device PRCD-S assembled with cable H07RN-F 3G 1.5 mm²

 \cdot Packed in a robust case

| Art. no. Version | Unit |
|--|--------|
| Mobile PRCD-S personal circuit breaker | |
| 1 x protective conductor monitoring | |
| · End 1: solid rubber right angle plug with 2 earthing contact systems | |
| \cdot End 2: solid rubber coupling with cover, protection type IP44 | |
| 919.014 · Black | 1 item |
| 1 x protective conductor monitoring | |
| \cdot End 1: solid rubber right angle plug with 2 earthing contact systems | |
| \cdot End 2: solid rubber coupling, 3-way with cover, protection type IP44 | |
| 919.015 · Black | 1 item |

PRCD-S 230V~, 16A, 30mA, IP55

Terminal cross-section 1 mm² - 2.5 mm²

 \cdot Test marks by BG (German employers' liability association), Cologne SEV, VDE, GS

| Art. no. Version | | Unit | |
|-------------------------------------|--|--------|--|
| PRCD-S | | | |
| 1 x protective conductor monitoring | | | |
| · PRCD-S | | | |
| · 30 mA rated residual current | | | |
| 919.016 · Black | | 1 item | |

PRCD-K 230V~, 16A, 30mA, IP55

- Terminal cross-section 1 mm² 2.5 mm²
- · Test marks VDE, TÜV, GS

| Art. no. Version | Unit | |
|--|--------|--|
| PRCD-K | | |
| 1 x differential current protection device, 1 x undervoltage tripping device | | |
| 919.018 · Black | 1 item | |

| The advantages | Specially designed as a protective distributor for small construction sites |
|----------------|---|
| at a glance | as recommended by the BGFE employers' liability association, Cologne |
| | (ZH1 / /271), and for all portable electrical equipment. |
| | Can be used irrespective of connector system |
| | Undervoltage tripping |
| | • Offers protection as specified by DIN VDE 0661 in the event of a fault in the |
| Scope of | connected equipment. Fault currents arising from faulty consumers will cause |
| protection | the PRCD-S to interrupt all poles |
| | • For system faults in the fixed installation. The PRCD-S detects all faults in the |
| | fixed installation and then cannot be switched on. |

00





PRCD ADAPTOR 16A/250V~/50Hz/3680W

- \cdot 2-pole interrupt (L,N) with undervoltage tripping; tripping current < 30 mA, tripping time < 30 ms
- Tested in accordance with: EN 61008-1:1994+A2+A11, EN 61008-2-1/08.94 IEC 884-1/A1/12.94

| Art. no. | Version | | Unit | |
|--------------------------|--|--|----------|--|
| PRCD ada | aptor | | | |
| Plug with I | PRCD, hinged lid, IP44 | | | |
| 919.284 · White 50 items | | | | |
| | | | | |
| PRCD mo | unting plug | | | |
| Plug with I | PRCD, IP44 | | | |
| 919.183 | Suitable up to rubber cable 05RNF-F3 1.5 mm ² | | 50 items | |
| | · Black | | | |

PRCD personal circuit breaker 16A/250V~/3600W

- \cdot 2-phase, 2-pole interrupt (L,N) with undervoltage tripping
- Tested in accordance with: T+V GS/KEMA: EN 61008-1-1994+A2+A11, EN 61008-2-1/08.94, IEC 884-1/A1/12.94, IEC 884-1/06.94
- \cdot In accordance with the IEC standard the protective earth (PE) conductor is not interrupted

| Art. no. Version Unit | | | | | |
|-----------------------|--|--|--------|--|--|
| PRCD per | rsonal circuit breaker | | | | |
| IP44 | | | | | |
| 919.190 | Tripping current < 10mA Tripping time < 10ms Black | | 1 item | | |
| IP55 | | | | | |
| 919.189 | Tripping current < 30mA Tripping time < 30ms Black | | 1 item | | |

Earthing contact extension cable with PRCD 16A/250V~/3600W

- \cdot 3.0 m HO7BQ-F3G 1.5 mm², with PRCD personal circuit breaker 919.189 fitted at approx. 1.5 m
- · Individually packed in plastic bag

| Art. no. | Version | Unit |
|------------|--|--------|
| Earthing o | contact extension cable | |
| With PRC | 0 919.189 | |
| 341.880 | End 1: mounting plug 913.173 End 2: mounting coupling 919.177 Black / orange | 1 item |

Cable reel with portable RCD, 3-way

- \cdot 3 earthing contact socket outlets with hinged lid and thermal cut-out, 1-pole
- \cdot Reel body made from unbreakable hard rubber

| Art. no. | Art. no. Version Unit | | | |
|----------|---|--------|--|--|
| PRCD cat | PRCD cable reel, cable: H07BQ-F 3G 1.50 mm ² | | | |
| 25 m | | | | |
| 398.200 | Earthing contact plug 16A/30mA | 1 item | | |
| | · Cable: orange, reel: black | | | |





OVERVOLTAGE ADAPTORS / ENERGY MEASUREMENT INSTRUMENTS

Overvoltage protection adaptor 16A/230V~/50Hz/3680W

| Art. no. | Version | Unit | | |
|-------------|--|------------------------|--|--|
| Plug-in ov | ervoltage protection adaptor | | | |
| 1 x overvol | tage protection adaptor with visual function and fail indicator (100 x 56.5 | 5 x 76 mm) | | |
| 919.003 | ·White | 1 item | | |
| | · Short-circuiting resistance to 4.5 kA | | | |
| | \cdot Maximum peak current 4500 A for pulses of $8/20\mu$ | | | |
| | · Maximum overvoltage: 6.000 V | | | |
| | · Maximum energy absorption: 165 J for pulses of | | | |
| | $10/100 \mu$ Response time < 1 ns | | | |
| | · Child-proof | | | |
| 1 x univers | al overvoltage protection adaptor with protection for ISDN, TEL and TV (| (177.9 x 62 x 33 mm) | | |
| 919.004 | • IP20 | 1 item | | |
| | · Short-circuiting resistance to 4.5 kA | | | |
| | Visual function and fail indicator | | | |
| | \cdot Maximum peak current 4500 A for pulses of $8/20\mu$ | | | |
| | Maximum overvoltage: 6.000 V | | | |
| | · Response time < 1 ns | | | |
| | · Child-proof | | | |
| | ·White | | | |
| 1 x overvol | tage protection adaptor (177.9 x 62 x 33 mm) | | | |
| 919.005 | · With 8-level LED overload indicator, IP 20 | 1 item | | |
| | Visual function and fail indicator | | | |
| | ·White | | | |
| | | | | |
| Overvolta | je protection adaptor | | | |
| 1 x overvol | tage protection, 1 x varistor, max. leakage current 4.5 k A per varistor, op | tical function display | | |
| 920.000 | ·White | 10 items | | |

Energy measuring instrument 160 - 250 V~

| Art. no. | Version | | Unit |
|------------|---|--|--------|
| Linergy in | | | |
| 852.9821 | Large LC display with blue background light Digital display of electricity consumption, energy costs etc. (can be programmed with 2 separate tariffs), voltage (V), current (A), effective power (W) Meter for power and cost, can be reset Nominal power 3860 W, consumption <1 W White | | 1 item |











Mechanical timer switches



- · Mechanical timer switches, 24 h, 16A/230V~/3680W:
- · Plastic version, child-proof, easy to use,
 - operating manual included

| 9 | 30 | |
|-----|----|-----|
| 0 | 周 | 10 |
| N. | | |
| 2 | | Ш. |
| .68 | • | |
| | 2 | 111 |

| | Art. no. | Version | |
|------|------------|--|--|
| | Mechanica | al timer switch | |
| | 852.101 | · White | |
| | | Smallest switching interval: 15 minutes | |
| | | \cdot Up to 96 switch-on and switch-off times per day (24 h) | |
| | | · 121 x 74 x 76 mm (L x W x H) | |
| | | | |
| | Mechanica | al timer switch IP44 | |
| | 1 x splash | ash water protection (IP 44) | |
| | 852.102 | · With transparent hinged lid | |
| | | Suitable for use in damp locations | |
| | | · Operating temperature range: -25 °C to +55 °C | |
| | | Smallest switching interval: 15 minutes | |
| | | · Up to 96 switch-on and switch-off times per day (24 h) | |
| | | · 150 x 74 x 82 mm (L x W x H) | |
| | | | |
| | Mini timer | switch (mechanical) | |
| /INI | 852.104 | ·White | |
| | | | |



| winn unier | Switch (mechanical) |
|------------|---|
| 852.104 | · White |
| | · Smallest switching interval: 30 minutes |
| | \cdot Up to 48 switch-on and switch-off times |

- ritch-off times per day (24 h)
- · Switch to override timer function · 103 x 54 x 70 mm (L x W x H)

Digital timer switch, 24 h, 16A/230V~/3680W

- · Plastic version with LCD display, child-proof, easy to use, manual included, built-in rechargeable battery; shortest switching interval: 1 minute
- · Programmable by the day or by the week, built-in random generator, countdown function, resettable



Art. no. Version

Digital timer switch 852.103 White · 120 x 64 x 76 mm (L x W x H)

Travel plug adapter 16A/250V~

- · Earthing contact system adaptor with storage bag and interchangeable country adaptors
- · Suitable for: Red Liechtenstein / Switzerland
 - Green Chile/Greece/Italy Blue Africa/Asia/Commonwealth countries/UK/Ireland/Middle East
 - Black GUS/Japan/Canada/Central and South America /South and East Asia /USA
 - Yellow Australia / New Zealand and parts of China

| Art. no. | Version | Unit |
|---------------|----------|----------|
| Travel plug | adaptors | |
| Protection of | lass 1 | |
| 914.670 | · Colour | 10 items |



Travel plugs, 3-pole

| | gs, 5-pole | | | — KEMA approved |
|------------|--|---------|-----------------------|-----------------|
| Art. no. | Version | [| Unit | |
| | g adaptors | | | |
| | g contact with 5 country-specific inserts | | 10.11 | |
| 914.672 | · Black, with travel pouch | | 10 items | |
| | The only travel plug approved by KEMA | | | 6866 |
| | · Italy, UK, Ireland, Africa, Asia | | | |
| | · USA, Canada, Japan, Switzerland, Liechtenstein | | - | |
| | · China, Australia, New Zealand | | | |
| | | | | |
| | | | C | |
| | | | | |
| | | | | |
| avel plu | gs, 3-pole | | | |
| Socket si | de: earthing contact | | | |
| Plug color | - | | | |
| aug coloi | | | | |
| Art. no. | Version | | Unit | |
| Fravel plu | g 15A/125V~ | | USA/earthing cont | act |
| 8-pole | | | | |
| 921.004 | · Plug pin side: USA | | 10 items | |
| | | | | 35/ 2 |
| | | | | |
| ravel plu | g 10/16A/250V~ | Fra | ance / earthing cont | act |
| -pole | | | | |
| 21.005 | · Plug pin side: France, Belgium, Czech Republic, Poland | | 10 items | |
| | | | | 20 |
| | | | | |
| ravel plu | g 10A/250V~, max. 1500W | | Italy/earthing cont | act |
| -pole | | | | |
| 21.006 | Plug pin side: Italy, Spain | | 50 items | |
| | | | | |
| | | | | 111 11 |
| ravel plu | g 13A/250V~ | | UK/earthing cont | act |
| x miniatu | ure fuse, 3-pole | | | |
| 21.010 | • Plug pin side: UK / Ireland / Malta / Hong Kong / Cyprus | | 10 items | |
| | · Includes miniature 13A fuse, interchangeable | | | |
| 00.1077 | Replacement fuse/13A miniature fuse | | 1 item | |
| | | | | |
| | | | | |
| ravel plu | g 10A/250V~ | Switzer | land / earthing cont | act |
| -pole | | | | |
| 21.011 | Plug pin side: Switzerland | | 100 items | + |
| | | | | E AL |
| | | | | 1. |
| | g 10A/250V~ | Aust | ralia / earthing cont | act |
| -pole | | | | |
| 21.014 | Plug pin side: Australia | | 10 items | 2R |
| | | | | |
| | | | | 1 |
| | | | | and |
| | | | | |
| | | | | |
| Noto | Adaptora ara pot voltaga trapoformora. Thou ara pot quitable | - f l t | | |

Travel plugs, 2-pole

 \cdot Plug colour: white

| | Art. no. | Version | | Unit | |
|------|-------------|--|-----------------|------------------|--|
| | Travel plug | gs 13A/250V~ UK / | | Euro and contour | |
| 1000 | 10 million | 1 x miniatu | re fuse, 2-pole | | |
| | 921.008 | · Includes miniature 13A fuse, interchangeable | | 10 items | |
| | | Plug pin side: UK / Ireland / Malta / Hong Kong / Cyprus | | | |
| | | · Socket side: Euro/contour plug | | | |



| Travel plug set | |
|---|----------|
| 2-pole | |
| Set with 3 different plugs/adapters | |
| - 1. Suitable for Southern Europe: France, Greece, Poland, Italy, Spain, Turkey, Czech Republic | |
| - 2. Suitable for America: Asia, Far East, Canada, Central and South America, USA | |
| - 3. Suitable for old UK system: Africa, China, Hong Kong, India, Caribbean, Sri Lanka | |
| 914.270 · White | 25 items |



| Single travel plugs | | | | |
|---------------------|---------|--|----------|--|
| | 2-pole | | | |
| | 914.271 | · Suitable for Southern Europe: France, Greece, Poland, Italy, | 25 items | |
| | | Spain, Turkey, Czech Republic | | |



| Single trav | rel plugs | |
|-------------|---|----------|
| 2-pole | | |
| 914.272 | · Suitable for America: Asia, Far East, Canada, | 25 items |
| | Central and South America, USA | |

| 10. | - |
|-----|---|
| CA. | 3 |

| Single trav | rel plugs | |
|-------------|--|----------|
| 2-pole | | |
| 914.273 | Suitable for old British system: Africa, China, Hong Kong, India, Caribbean, Sri Lanka | 25 items |

Adaptors for the earthing contact system

| Art. no. | Version | Unit | |
|-------------------------|--|---------------------------|----------------|
| Travel plug | gs 10/16A/250V~ Ea | thing contact / universal | |
| 2-pole and | 3-pole | | |
| | ide: Earthing contact / Germany / France / Belgium, with dual earthing contact | | |
| 921.000 | Socket side: universal, suitable for all standard plugs | 10 items | 111 |
| | worldwide, child-proof | | 1.12 |
| | ·Grey | | NGD C |
| | | | |
| | | | |
| | gs 15A/125V~ | Earthing contact / USA | |
| 3-pole | | | |
| | ide: Earthing contact / Germany / France / Belgium, with dual earthing contact | | - |
| 921.003 | · Socket side: USA | 10 items | 1. |
| | ·White | | 1 20 11 |
| | | | |
| | | | |
| | gs 10/16A/125V~ Earthin | g contact / France (UTE) | |
| 3-pole | | | |
| | ide: Earthing contact / Germany | 05.1 | |
| 921.002 | Socket side: Belgium / France / Poland / Slovakia / Czech Republic | 25 items | 1 |
| | ·White | | 2.4 |
| | | | |
| | | | |
| | gs 10A/220V~ max. 2200W | Earthing contact / UK | |
| 3-pole | ida Eadhinn anntach (Ormanna (Europe / Dalainna | _ | |
| | ide: Earthing contact / Germany / France / Belgium | 10 itoma | and the second |
| 921.001 | Socket side: UK, child-proof White | 10 items | 7.1 |
| | | | |
| | | | IT V |
| | | | |
| | gs 10A/250V~ Earthi | ng contact / Switzerland | |
| 3-pole | ide: Earthing contact / Germany | _ | |
| 921.012 | Socket side: Switzerland | 10 items | |
| 921.012 | · White | | (m) (m) |
| | | I | Ser Con |
| | | | 1. C. |
| | | — | |
| | plug 10A/250V~ | Earthing contact/Italy | |
| 3-pole | ide: Earthing contact / Cormony | _ | |
| • Plug pin s 921.013 | ide: Earthing contact / Germany Socket side: Italy | 10 items | |
| 021.010 | · White | | 1 |
| | | I | 17 - |
| | | | |
| | | | |







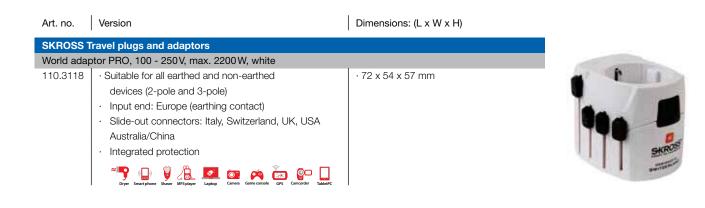
The advantages at a glance

Patented "all-in-one" country-specific slider system

- Recipient of function and design awards
- Market leader for high-quality multi-adaptors, country-specific travel adaptors and powerful USB charging devices

DESIGNED IN SWITZERLAND

Travel plugs / travel adaptors



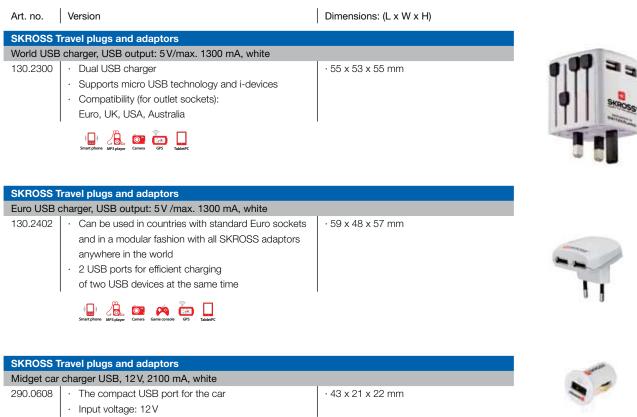
| Art. no. | Version | Dimensions: (L x W x H) | |
|--|---|--------------------------------------|-------------|
| | Travel plugs and adaptors ptor Pro USB, 3-pole & USB charging device, 100V-250V, | | |
| 130.2400 Input end: Europe (earthing contact) Slide-out connectors: Italy/Switzerland, UK, USA, Australia/China Dual USB top for charging 2 USB devices at the same time Integrated protection USB output 5 V/1300 mA | | - 73 x 57 x 76 mm (incl. USB top) | I COMA ROAT |

| Art. no. | Version | Dimensions: (L x W x H) | |
|-----------|---|-------------------------|--|
| SKROSS 1 | Travel plugs and adaptors | | 11 |
| World Ada | pter Classic, 2-pole, 100 V-250 V, max. 550 W | | and the second sec |
| 110.0160 | Suitable for all 2-pole devices Input end: Euro, UK, USA/Japan, Australia/China Slide-out connectors: Euro, UK, USA/Japan, Australia/China Integrated protection | • 59 x 56 x 60 mm | |
| | Smart phone Shave MP3 physe Came Gene console GP5 Camecorde TablePC | | |

Travel plugs / travel adaptors

| | Art. no. Version | Dimensions: (L x W x H) |
|------|---|-----------------------------|
| - | SKROSS Travel plugs and adaptors | |
| ATT- | Single travel adaptor, suitable for protection class I and II dev | ices, 3-pole, white |
| 10 | 150.0203 · Input end: Europe (earthing contact), France, Ge Output end: USA Power: max. 15A/125V~ | ermany · 53 x 60 x 63 mm |
| | 150.0205 Input end: Europe (earthing contact), France, Ge Output end: Switzerland Power: max. 10A/250V~ (integrated fuse) | ermany · 53 x 60 x 72 mm |
| anor | POWER: INAX. IDAV250V~ (Integrated luse) Power: Inax. IDAV250V~ (Integrated | |
| 5, | Input end: Europe (earthing contact), France, Ge Output end: UK Power: max. 13A/250V~ (integrated fuse) Prover: Smartphere Prover: | ermany - 57 x 64 x 64 mm |
| | 150.0209 Input end: Europe (earthing contact), France, Ge Output end: Australia Power: max. 10A/250V~ The second s | ermany · 53 x 60 x 62 mm |
| 1 m | | |
| 1. | 150.0212 · Input end: Europe (earthing contact), France, Ge Output end: Italy Power: max. 16A/250V~ | ərmany - 60 x 52 x 66 mm |
| | Dryer Smult phone Shaver MP3 player Laptop Cames Game conside GPS Camesder | TabletPC |
| | Input end: Australia, China/UK/USA/Italy/ Europe (2-pole)/Switzerland Output end: Europe (earthing contact), France, Ge Power: max. 16A/250V~ [*] Digger Digge | • 58 x 58 x 45 mm ermany |

Travel plugs / travel adaptors



· Output voltage: 5.0 +/-0.25V



Adaptors are not voltage converters and are not suitable for long-term use. The input voltage of the device to be connected must match the voltage of the local supply grid.

Euro plug 2.5A/250V~

· Plastic version

Art. no.

Euro plug

· Packaged version: contains 3 items in plastic bag – supplied in quantities of 3 only

Unit

25 items

25 items

3 items

3 items

100 items

100 items

Unit

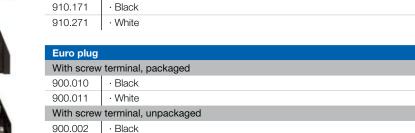
25 items 25 items

- \cdot Delivery to the end consumer is only permissible in assembled condition
- \cdot Must be connected by qualified specialists only
- · For cables up to H05W-F 2 x 0.75 mm²

Version

With crimp terminals; unpackaged





Euro coupling 2.5A/250V~

· White

· Plastic version

900.003

- · Packaged version: contains 3 items in plastic bag supplied in quantities of 3 only
- · Delivery to the end consumer is only permissible in assembled condition
- · Must be connected by qualified specialists only
- · For cables up to H05VV-F 2 x 0.75 mm²

| | Art. no. | 1 | l |
|---|------------|-------------------------|---|
| | With crimp | o terminals; unpackaged | |
| 7 | 912.171 | · Black | |
| | 912.271 | · White | |



| Euro coup | ling | |
|------------|----------------------|-----------|
| With screw | terminal, packaged | |
| 900.012 | · Black | 3 items |
| 900.013 | ·White | 3 items |
| With screw | terminal, unpackaged | |
| 900.004 | ·Black | 100 items |
| 900.005 | · White | 100 items |

Earthing contact plug 16A/250V~



| Art. no. | Version | | Unit |
|-------------------------------|--|-------|----------|
| Earthing c | ontact mounting plug | | |
| H05VV-F 3 | G 0.75/1.0/1.5 mm ² | | |
| With dual | earthing contact system and nickel-plated contacts, e.g. Germany and I | rance | |
| · Small, bre | ak-proof design with separate strain relief, no parts that can be lost | | |
| 910.100 | · Black | | 10 items |
| 910.200 | ·White | | 10 items |







| Art. no. | Version | Unit |
|-------------------------------|---|----------|
| Central pl | ug with earthing contact DIN 49441 | |
| H05VV-F 3 | 3G 1.0 mm ² | |
| Small unb | preakable construction in plastic, with strain relief | |
| 910.170 | · Black | 40 items |
| 910.270 | ·White | 40 items |
| 910.470 | · Brown | 40 items |
| Central pl | ug with earthing contact DIN 49441 | |
| H05VV-F 3 | 3G 1.0 mm ² | |
| • | breakable construction in plastic, with strain relief | |
| 910.971 | Grey | 25 items |
| | le plug with earthing contact | |
| | 3G 1.50 mm ² | |
| | breakable construction in plastic, with lateral earthing contact | |
| 911.172 | ·Black | 50 items |
| 911.272 | · White | 50 items |
| | arthing contact plug/angled | |
| | 3G 1.50 mm ² | |
| | able construction, with side entry | 10 items |
| 911.170 | · Black | 40 items |
| 911.270 | · White | 40 items |
| 911.470 | · Brown | 40 items |
| | le earthing contact plug with switch | |
| | G 1.50 mm ² | |
| | oof design made from plastic, with 2-pin rocker switch | 20.1 |
| 911.171 | ·Black | 20 items |
| 911.271 | ·White | 20 items |
| | le earthing contact plug with control switch | |
| | 3G 1.50 mm ² | |
| · Break-pro | bof design made from plastic, with 2-pin illuminated rocker switc | h |
| | | |



Earthing contact coupling 16A/250V~

| Art. no. | Version | | Unit |
|---------------|-----------------------------------|--|----------|
| Earthing co | ontact coupling | | |
| H05VV-F 30 | G 1.5 mm ² | | |
| · Small, brea | ak-proof design made from plastic | | |
| 912.170 | · Black | | 50 items |
| 912.270 | ·White | | 50 items |
| 912.470 | ·Brown | | 50 items |

Earthing contact coupling H05VV-F 3G 1.5 mm²

 \cdot Large, break-proof design made from plastic kink protection nozzle 912.971 · Grey















20 items

15 items





Rubber plugs and couplings 16A/250V~ · For fitting to cables up to H07RN-F 3G 2.50 mm² · Delivery to the end consumer is only permissible in assembled condition \cdot Must be connected by qualified specialists only Version Unit Art. no. **Rubber plug** IP44, DIN 49441 · Thermoplast insert with dual earthing \cdot Also suitable for France and Belgium · Revolving strain relief for various cable cross-sections 913.171 Black 20 items IP44, DIN 49441-2-AR1 · Break-proof thermoplast insert with earthing contact · Standardised clip in function and kink protection · Side fitting and screw terminal block · Temperature range -40°C to 70°C 913.172 · Black 20 items **Rubber coupling** DIN 49440 · Thermoplast insert with earthing contact and strain relief 913.174 Black 10 items IP44. DIN 49440 · Thermoplast insert with earthing contact and strain relief · With cover 919.176 · Black 10 items Solid rubber plugs and couplings 16A/250V~ · Delivery to the end consumer is only permissible in assembled condition · Must be connected by qualified specialists only Version Unit Art. no. Solid rubber plug IP44, DIN 49441-2-AR1 · For mounting on cables up to H07RN-F 3G 2.50 mm² \cdot Solid rubber insert with earthing contact \cdot Standardised clip in function and kink protection \cdot Side fitting and screw terminal block \cdot Temperature range -40 °C to 70 °C 913.173 · Black 20 items Solid rubber right angle plug IP44, DIN 49441-2-AR1 · For mounting on cables up to H07RN-F 3G 2.50 mm² · Robust industrial version with solid rubber insert and earthing contact · Standardised clip in function · Surface clamps and metal strain relief · Side fitting and screw terminal block



919.178 · With dual earthing contact system suitable for Belgian/French standards • Black 10 items

302 / bachmann.com

| Art. no. | Version | Unit | |
|---|--|----------|----------|
| Solid rubb | per contour plug, 2-pole | | |
| \cdot Clip in fur | ting on cables up to H07RN-F 2 x 2.50 mm ² , without earthing contact action, delivery to the end consumer is only permissible in assembled condition connected by qualified specialists only | 20 items | |
| Solid rubb | per coupling | | |
| DIN 49440 | | <u>^</u> | |
| · Solid rubb | ting on cables up to H07RN-F 3G 2.50 mm², temperature range -40 °C to 70 ° per insert with earthing contact and side fitting dustrial version with surface clamps and standardised clip in function | 0 | |
| 913.175 | ·Black | 10 items | |
| IP44, DIN | 49440-2-D-AR1 | | - |
| Thermopl | ting on cables up to H07RN-F 3G 2.50 mm², temperature range -40 °C to 70 ° ast rubber insert with earthing contact and side fitting and cover dustrial version with surface clamps and standardised clip in function | С | |
| 919.177 | Black | 10 items | - |
| IP44 pow | er strip | | |
| Art. no. | Version | Unit | NEW |
| | thing contact power strip with covers | | Mannut A |
| IP44; 230\ 381.109 | /, 16A · Design: DIN 49 440 part 1 | 1 item | |
| 001.100 | • With attachment eye and four fixing points | T ROM | |
| | Solid elastomer version | | 2 |
| 3-way co | uplings 16A/250V~, IP44 | | • |
| Art. no. | Version | Unit | |
| | er 3-way coupling | | |
| , | 49440-2-D-AR1 ting on cables up to H07RN-F 3G 2.50 mm², solid rubber insert with earthing (| contact | A MARCE |
| | dustrial version with hinged lid and hanger, | | |
| | sed snap latch and kink protection | | |
| | g and screw terminal block, temperature range -40°C to 70°C anent use out of doors and on construction sites | | |
| 913.170 | ·Black | 10 items | C |
| DA housin | | | a The |
| | g, 3-way coupling 49440-2-D-AR1 | | |
| For fitting With attac | to cables up to H07RN-F 3G 2.5 mm², PA insert with earthing contact chment eye and kink protection, connections with screw terminals | | |
| 919.1751* | ure range -40 °C to 70 °C Black | 10 items | |
| Cord inter | rmediate switch 16A/250V~, IP44 | | |
| Art. no. | Version | Unit | |
| Solid rubb | per cord intermediate switch | | |
| IP44 | | | m de |
| · 2-pin cut- | | | |
| • For round 923.174 | cable up to H07RN-F 3G 2.50 mm ² · Black | 10 items | • |
| | • | | |

PLUGS / COUPLINGS

Version

Cables up to 3G 1.00 mm² \cdot Thermoplast version

Black

Earthing contact plug, UK, 13A/250V~

Earthing contact plug, USA, 15A/125V~

· White

Cables up to 3G 1.50 mm²

· Integral 13A miniature fuse

· Black

· White

 \cdot With strain relief 910.175

· Plastic version

· With strain relief 910.176

910.276

3-pole · Non-polarised

Art. no.

910.275

.

International earthing contact plugs

Earthing contact plug, Switzerland CH, 10A/250V~













Unit

1 item

1 item

1 item

1 item

СН

υĸ

USA

| Eartning c | ontact plug, Australia, 10 A/250 V~ | Australia |
|---------------------------------|-------------------------------------|-----------|
| 3-pole | | |
| With insula | ated pins and sleeve | |
| 910.182 | ·Black | 40 items |
| 910.282 | ·White | 40 items |
| | | |

International earthing contact couplings



| | Art. no. | Version | Unit | |
|---|-------------|--|----------|----|
| | Earthing o | ontact coupling, Switzerland CH, 10A/250V~ | | СН |
| | | | | |
| + | 912.174* | ·Black | 50 items | |
| | 912.274 | ·White | 50 items | |
| | | | | |
| | Earthing o | ontact coupling, UK, 13A/250V~UK | | |
| | With functi | on display | | |
| | · Thermopl | ast version | | |





| Earthing c | contact coupling, UK, 13A/250V~UK | |
|-------------------------------|--|-----------------------------------|
| With functi | on display | |
| Thermopla | ast version | |
| 910.177* | ·Black | 10 items |
| 910.277* | ·White | 10 items |
| | | • |
| | | |
| Earthing c | contact coupling with earthing pin, Belgium/France 15A/125V~ | Earthing contact /UTE |
| | contact coupling with earthing pin, Belgium/France 15A/125V~ | Earthing contact /UTE |
| | protection sleeve | Earthing contact /UTE |
| With kink p | protection sleeve | Earthing contact /UTE 35 items |
| With kink p | orotection sleeve ast version | |

* No storage type

Solid rubber international plugs and couplings

- · Up to max. H07RN-F 3G 2.5 mm²
- \cdot Belgian/French system
- \cdot IP44, thermoplastic and solid rubber version, with snap latch

| Art. no. | Version | Unit |
|-------------------------------|---|------------------------|
| olid rubl | ber plug 16A/250V~ | Earthing contact/UTE |
| IP44 | | |
| 913.169 | • With dual earthing contact | 20 items |
| | With side fitting, socket and surface clamps Black | |
| | Diaok | I |
| | ber coupling16A/250V~ | Earthing contact/UTE |
| IP44 | Mith energiately and protection applied contact | 10 items |
| 919.169 | With snap latch and protection against contact With Thermoplast cover | 10 items |
| | · Black | |
| lon-heat | ting appliance plugs and sockets (•••) | |
| Art. no. | Version | Unit |
| | | |
| | ing appliance plug with earthing contact /250V~, 70°C | |
| | es up to 3G 1.00 mm ² , Thermoplast version with earthing contact of | C14 for cable junction |
| · Screw ter | rminal, kink protection nozzle and strain relief | |
| 915.171 | ·Black | 50 items |
| 915.271 | ·White | 50 items |
| 915.971 | · Grey (RAL7035) | 50 items |
| Non-heat | ing appliance right angle plug with earthing contact | |
| | /250V~, 70°C | |
| For cable | es up to 3G 1.00 mm², Thermoplast version with earthing contact | C14 for cable junction |
| Screw ter | rminal, kink protection and strain relief, cable exit right hand side | |
| 915.172 | ·Black | 50 items |
| Non-heat | ing appliance socket with earthing contact | |
| C13, 10A | /250V~, 70°C | |
| For cable | es up to 3G 1.00 mm ² , Thermoplast version with earthing contact | C13 for cable junction |
| | rminal, kink protection nozzle and strain relief | |
| 915.170 | | 25 items |
| 915.270 | · White | 25 items |
| 915.970 | · Grey (RAL7035) | 25 items |
| Non-heat | ing appliance right angle socket with earthing contact | |
| C13, 10A | /250V~, 70°C | |
| | es up to 3G 1.00 mm ² , thermoplastic version with earthing contact | C13 for cable mounting |
| | rminal, kink protection and strain relief, cable exit right hand side | |
| 915.173 | · Black | 25 items |
| 915.973 | · Grey (RAL7035) | 25 items |
| Non-heat | ing appliance built-in plug | |
| | 0A/250V∼, 70°C | |
| Thermop | last version for screw terminal | |
| 917.170 | · Black | 50 items |

Non-heating appliance plugs and sockets

| Art. no. Version | | Ur |
|--|----|-------|
| Non-heating appliance in-built socket | | |
| C13, F, 10A/250V~, 70°C | | |
| Thermoplast version for screw terminal | | |
| 917.171 · Black | 50 | items |
| Non-heating appliance plugs and sockets | | |
| Art. no. Version | | U |
| Non-heating appliance plug | | |
| C20, 16A/250V~, 70°C | | |
| Thermoplast version with earthing contact | | |
| With kink protection nozzle for line assembly | | |
| 915.175 · Black | | 25 |
| Non-heating appliance in-built plug | | |
| C20, 16A/250V~, 70°C | | |
| Thermoplast version | | |
| 917.173 · Black | | 25 i |
| Non-heating appliance socket with earthing contact | | |
| C19, 16A/250V~, 70°C | | |
| For cables up to 3G 1.50 mm² | | |
| Thermoplast version with earthing contact C19 | | |
| Kink protection nozzle for line assembly | | |
| 915.174 · Black | | 25 |
| Non-heating appliance in-built socket with earthing contact | | |
| C19, J, 16A/250V~, 70°C | | |
| Thermoplast version with earthing contact C19 | | |
| 917.172 · Black | | 25 |
| | | |
| | | |
| Heating appliance plugs and sockets | | |
| Art. no. Version | | U |
| Heating appliance in-built plug | | |
| | | |
| C16A, E, 10A/250V~, 155 °C | | |
| C16A, E, 10A/250V~, 155 °C • Thermoplast version for screw terminal | | 50 |
| | | 50 |
| Thermoplast version for screw terminal | | 50 |
| Thermoplast version for screw terminal 918.170 Black | | |
| Thermoplast version for screw terminal 918.170 · Black Heating appliance socket with earthing contact | | |
| Thermoplast version for screw terminal 918.170 · Black Heating appliance socket with earthing contact C15A, 10A/250V~, 155°C | | 501 |
| Thermoplast version for screw terminal 918.170 · Black Heating appliance socket with earthing contact C15A, 10A/250V~, 155 °C · For cables up to 3G 1.00 mm ² | | 301 |
| Thermoplast version for screw terminal 918.170 Black Heating appliance socket with earthing contact C15A, 10A/250V~, 155 °C For cables up to 3G 1.00 mm ² Thermoplastic version with earthing contact, C15A for cable mounting | | 25 i |

16A/380V~

 \cdot Snap in lid

190.271 · White

Cooker junction box 16A/380V~

190.270 · White

· For 55 mm wall boxes / height 14 mm

 \cdot For 55 mm wall boxes / height 23 mm

Thermoplast version for concealed wiring mounting
 Easy mounting thanks to removable terminal box

 \cdot With screw terminal 5 x 2.50 mm² and strain relief

| Heating appliance sockets | • | |
|--|----------|--------|
| Art. no. Version | Unit | |
| Heating appliance socket | | |
| C21, 16A/250V~, 155°C | | |
| Kink protection nozzle for line assembly | | |
| 918.171 · Black | 25 items | |
| Heating appliance socket with earthing conta | act | |
| 10A/250V~, 155°C | | |
| For cables up to 3G 1.00 mm² | | |
| Steatite version | | |
| Kink protection nozzle and strain relief | | 1 10 |
| Approved for export and replacement needs only | | • Pre- |
| 919.170 · Black | 20 items | |
| 919.270 · White | 20 items | |
| | | |
| | | |
| Junction boxes | | |
| Art. no. Version | Unit | |
| Appliance junction box | | - |

Safety connector perilex plug 16A/250V~

| Art. no. Version | Unit | |
|---|----------|------|
| Perilex plug | | 3000 |
| IP54 | | |
| Side entry, 3-pole + E + O to VDE 0100/5.73 | | 1. |
| Waterproof IP20 | | 1 |
| 349.203 · White | 10 items | 1 |

20 items

20 items

Accessories



| 1 | | |
|---|---|--|
| | 8 | |

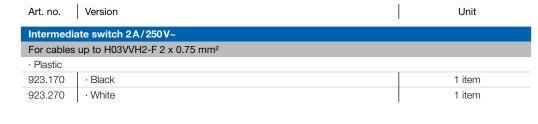








8



Lamp holder, pre-wired E 27 · 60W plastic E 27 holder · Delivery in units of 20 only 641.170 · 0.2 m H03VV-F 2 x 0.75 mm² 20 items · With 2-pin terminal block · Black 641.171 · 0.2 m H03VV-F 2 x 0.75 mm² 20 items · With plug terminals · Black Light bulb adaptor Converts E 27 fitting to E 14 730.005 · Outside thread: E 27 1 item

Inside thread: E 14 Thread: brass Insulation: plastic

| Light bulb adaptor | | | | | |
|-------------------------------|-----------------------|--------|--|--|--|
| Converts E 40 fitting to E 27 | | | | | |
| 730.008 | Outside thread: E 40 | 1 item | | | |
| | Inside thread: E 27 | | | | |
| | · Thread: brass | | | | |
| | Insulation: porcelain | | | | |
| | • | | | | |

| Porcelain terminal | | | | | |
|---|---|--------|--|--|--|
| For wire cross sections up to 2.5 mm ² | | | | | |
| Without w | vire protection | | | | |
| 950.000 | · 1-pin | 1 item | | | |
| | · Dimensions: 17 x 9.5 x 12 mm | | | | |
| 950.002 | · 2-pin with mounting hole in the centre | 1 item | | | |
| | · Dimensions: 21 x 18 x 16 mm | | | | |
| 950.003 | · 3-pin with mounting hole in the centre | 1 item | | | |
| | · Dimensions: 33 x 19 x 16 mm | | | | |
| For wire cr | For wire cross sections up to 4 mm ² | | | | |
| 950.004 | · 2-pin with mounting hole in the centre | 1 item | | | |
| | · Dimensions: 24 x 22 x 22 mm | | | | |
| | | | | | |

Ceiling box, diameter 70 mm

| Including screws | | | | |
|------------------|--------|----------|--|--|
| · Loose in b | ag | | | |
| 190.273 | ·White | 20 items | | |

Illumination lighting accessories

| Art. no. | Version | Unit | |
|-----------|--|----------|-------------|
| Connecti | | | |
| | bles H05RN H 2 x 1.5 mm ² | | |
| 740.015 | · Black | 30 items | |
| | ber right angle plug | | |
| IP44 | | | |
| 740.017 | · For flat cable | 10 items | .1 |
| | With clip in function | | |
| | With surface clamps | | |
| | With 2-way front screw connection | | |
| | · Black | | |
| | e plug for illumination cable 16A/250V~ | | |
| | 6, for H05RN H2-F 2 x 1.5 mm ² cables | | |
| 740.002 | Solid rubber version | 10 items | |
| | · Without earthing contact | | the Comment |
| | With clip in function | | |
| | · Black | | |
| Flat coup | ling for illumination cable | | |
| DIN 0282 | | | 1 |
| 740.003 | · With lid and mounting | 10 items | |
| | · Without earthing contact | | |
| | · For contour plugs only | | |
| | · Black | | |
| End piece | e for illumination cable | | |
| DIN 0282 | | | |
| 740.004 | · With mounting books | 10 items | |
| | · For a safe cable ending | | |
| | · Black | | |
| | | | |

Light chains



| Art. no. | Version | | Unit |
|---|-----------------------------------|--|--------|
| Light chai | n with plug and end piece | | |
| With plug | and end piece | | |
| · External c | limensions approx. 5.20 x 13.20 m | | |
| Including rubber plug and end piece with hook | | | |
| 740.005 | · With 10 E 27 lamp holders | | 1 item |
| | · Without light bulb | | |
| | · Green | | |
| 740.006 | With 20 E 27 lamp holders | | 1 item |
| | · Without light bulb | | |
| | · Green | | |

Lamp holders

| | Version | Unit |
|--|--|----------------------|
| Illuminatio | on lamp holder | |
| E 27 | | |
| · For use o | utside | |
| Heat and | weather resistant thermoplast | |
| · Splash-pr | oof when used with sealing ring (740.001/740.012) - please order separately | |
| 740.000 | · Max. 40 W | 100 items |
| | · Protection class / IP44 | |
| | · Up to 165 °C without sealing ring | |
| | | |
| Illuminatio | on lamp holder with fixing base | |
| | | |
| | | |
| · For fixing | on firm surfaces | |
| | | |
| · Distance | on firm surfaces | |
| Distance Only use | on firm surfaces of fixing screws: 40 mm | |
| Distance Only use | on firm surfaces of fixing screws: 40 mm outside with rubber seal. | 50 items |
| Distance Only use Sealing rir | on firm surfaces of fixing screws: 40 mm outside with rubber seal. ig (740.001/740.012) – please order separately | 50 items |
| Distance Only use Sealing rir | on firm surfaces of fixing screws: 40 mm outside with rubber seal. ng (740.001/740.012) – please order separately · E 27 | 50 items 50 items |

| Art. no. | Version | Unit |
|---------------------------------|---|-----------|
| Sealing rin | ng for illumination lamp holders | |
| | | |
| For fitting | or retrofitting lamp holders to light chains for outdoor use | |
| · Guarante | ed protection from water droplets when the bulb is directed downwards | |
| 740.001 | • E 27 | 500 items |
| | · Black | |
| 740.012 | • E 14 | 150 items |
| | · Black | |



| Sealing rin | ng fo |
|---------------------------------|--------|
| | |
| For fitting | or ret |
| Guarantee | ed pro |
| 740.001 | ·Ε |
| | ·в |
| 740.040 | |

inter **BAR** MAXI series 1000 silicon housing Also see page 287 \cdot For halogen cold light mirror lamps, diameter 51 mm, 12V~, maximum 35W · Do not use Cool Beam light bulbs · Triple insulation, with cable, light bulbs not included Art. no. Version Unit MAXI series 1000 silicon housing With ceramic lamp holder 924.224 Transparent 1 item 924.225 White 1 item With ceramic lamp holder, supplied in bags of 50, loose 924.332 · White 500 items Without ceramic lamp holder, supplied in bags of 50, loose 924.334 White 500 items Series 1002 decorative rings For MAXI series 1000 silicon housing Dimensions: inner 5 cm, outer 8 cm · Chrome 924.231 1 item 924.250 · Matt brushed stainless steel 1 item

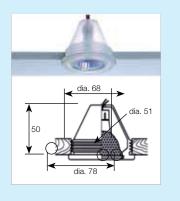
MAXI silicon housing for low-voltage recessed halogen spotlights

The MAXI silicon housing consists of a high temperature resistant high-tech elastomer with exceptional material qualities and thus a wide variety of applications:

- · Totally rust-free
- \cdot Resistant to UV, ozone and ageing
- · Heat and cold-resistant
- · Excellent resistance to weather and maritime environments
- \cdot Patented
- \cdot Quick and easy to assemble and dismantle
- · No component mounting
- · Light bulb changing without tools
- · No troublesome metal rings
- · Can also be used for shops and exhibition stands (to match decor!)
- Quick mounting technology
- · Mounting without springs

Can be fitted in:

- · Solid materials in different thicknesses
- \cdot Fragile materials such as plasterboard, fibreboards, chipboards, etc.



 Pulse starter
 See also page 253

 Art. no.
 Version
 Unit

 8600 series pulse starters
 Instant ignition (rapid starter)

| · For fluorescent lamps, reduces the costs of maintenance and replacement of fluorescent | | | |
|--|----------------------------|----------|--|
| lamps, protects the environment, 10-year warranty, -30 °C to +75 °C, ENEC approval | | | |
| 924.167 | · EFS 120/110-250V~, 4-22W | 10 items | |
| 924.168 | 10 items | | |



bachmann.com / 311

* No storage type, purchase in complete packaging units only

Version

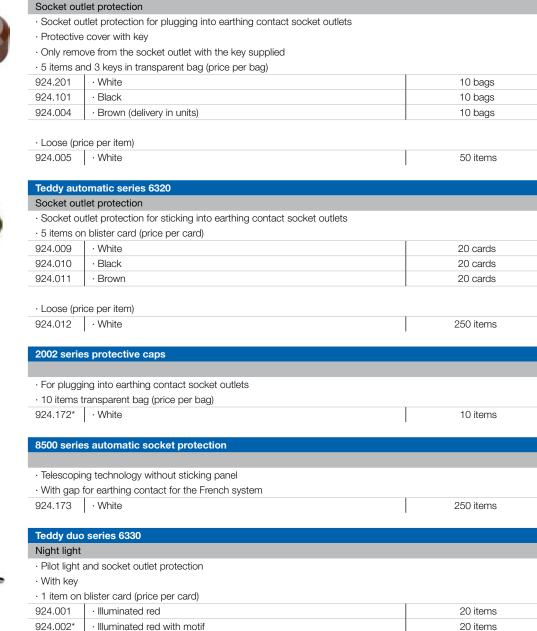
Teddy series 6310

Child safety

Art. no.

inter BAR





Unit









* No storage type, purchase in complete packaging units only

Cord intermediate switches

\cdot With screwed contacts

· For dual insulated flat cable 2 x 0.75 mm²

| Art. no. | Version | | Unit | |
|---|---|--|-----------------------|--|
| Series 505 | 2 cord intermediate switch, 2A/250V~ | | LxWxH 66 x 30 x 21 mm | |
| Off switch, | 2-pole | | | |
| Non-illumi | nated, for Class II equipment | | | |
| Marking 0 | - 1 | | | |
| For double | e insulated flat cable 2 x 0.75 mm ² | | | |
| 924.028 | Housing black, rocker black | | 20 items | |
| 924.029 | · Housing white, rocker white | | 20 items | |
| Off switch, | Off switch, 2-pole | | | |
| Illuminated | · Illuminated, for Class equipment | | | |
| Marking 0 | · Marking 0 - 1 | | | |
| For double insulated flat cable 2 x 0.75 mm² | | | | |
| 924.031* | · Housing white, rocker white | | 20 items | |

| Series 504 | 4 cord intermediate switch, 2 (1) A/250 V ~ | LxWxH 66 x 30 x 21 mm |
|---------------------------------|---|-----------------------|
| Off switch, | 1-pole | |
| Housing a | and strain relief screwed, 2 connector terminals | |
| For dual in | nsulated flat cable 2 x 0.75 mm ² and 3 x 0.75 mm ² | |
| Contact s | train relief | |
| 924.259 | · Housing transparent, button transparent | 20 items |
| 924.023 | · Housing white, button black | 20 items |
| 924.024 | · Housing black, button black | 20 items |
| 924.025 | · Housing white, button white | 20 items |
| 924.026 | · Housing brown, button beige | 20 items |
| 924.027 | · Housing gold, button gold | 20 items |
| 924.260* | · Housing titan, button black | 20 items |

| Series 800 | 07 cord intermediate switch, 2A/250V~ | LxWxH 61 x 23 x 15 mm | |
|----------------------------------|---|-----------------------|--|
| Off switch, | 1-pole | | |
| Strain relie | Strain relief and housing screwed | | |
| Connecto | Connector terminal for neutral conductor | | |
| For dual ir | nsulated flat cable 2 x 0.75 mm ² and 3 x 0.75 mm ² | | |
| 924.036 | Housing black, rocker black | 50 items | |
| 924.037 | Housing white, rocker white | 50 items | |
| 924.038 | · Housing brown, rocker brown | 50 items | |
| 924.039 | · Housing gold, rocker gold | 50 items | |

| Series 800 | 2 cord intermediate switch, 2A/250V~ LxWxH | l 58 x 28 x 29 mm (without butto |
|-----------------------------------|---|----------------------------------|
| Off switch, | 1-pole | |
| Strain relief | f screwed, snap-on housing, with inset pushbutton switch, button Ø 12 $$ | mm |
| Connector | r terminal for neutral conductor | |
| For dual in | isulated flat cable 2 x 0.75 mm ² and 3 x 0.75 mm ² | |
| 924.032 | Housing black, button black | 50 items |
| 924.033 | Housing white, button white | 50 items |
| 924.034* | Housing brown, button brown | 50 items |
| | | |

| Series 5055 cord intermediate switch, 3 (2) A/250 V ~ | | LxWxH 67 x 22 x 17 mm (without rocker) |
|---|--|--|
| Off switch, | 1-pole | |
| · Connecto | of via insulated material screw, snap-on housing assembly r terminal for neutral conductor | |
| | with silver, therefore particularly suitable for LED | |
| For dual in | nsulated flat cable 2 x 0.75 mm ² and 3 x 0.75 mm ² | |
| 924.043 | Housing black, rocker black | 50 items |
| 924.044 | Housing white, rocker white | 50 items |
| 924.045 | Housing brown, rocker brown | 50 items |
| 924.046 | · Housing gold, rocker gold | 50 items |
| 924.261* | Housing titan, rocker black | 50 items |























| Art. no. | Version | Unit |
|---------------------------------|---|------------------------|
| Series 80 | 06 cord intermediate switch, 6 (4) A/250 V ~ | LxWxH 76 x 26 x 23 mm |
| Off switch | , 1-pole | |
| Strain reli | ef for screwing, housing screwed, 2 connector terminals, marking 0 - I | |
| For dual i | nsulated flat cable 2 x 0.75 mm ² and 3 x 0.75 mm ² | |
| Suitable f | or secondary phase halogen lamp switching | |
| 924.047 | · Housing black, rocker black | 50 items |
| 924.048 | Housing white, rocker white | 50 items |
| 924.049 | · Housing brown, rocker brown | 50 items |
| 924.050 | · Housing gold, rocker brown | 50 items |
| Series 80 ⁻ | 10 cord intermediate switch, 10 (4) A/250 V ~ | LxWxH 80 x 30 x 25 mm |
| Off switch | 2-pole | |
| Strain reli | of for screwing, housing screwed, connector terminal for protective conductor | or |
| • Marking (|) - | |
| For cable | 2 x 0.75 mm ² and 3 x 0.75 mm ² | |
| 924.051 | · Housing black, rocker red | 50 items |
| 924.052 | Housing white, rocker white | 50 items |
| 924.053 | · Housing brown, rocker beige | 50 items |
| Series 80 | 10 cord intermediate switch, 10 (4) A/250 V ~ | LxWxH 80 x 30 x 25 mm |
| Off switch | 2-pole | |
| Strain reli | ef for screwing, housing screwed, connector terminal for protective conductor | or |
| • Marking (|) - | |
| Illuminate | d | |
| For dual i | nsulated flat cable 2 x 0.75 mm ² and 3 x 0.75 mm ² | |
| 924.327* | · Housing black, rocker red | 50 items |
| Series 80 | 1 cord intermediate switch, 2A/250V~ | LxWxH 105 x 37 x 37 mm |
| Multi-circu | it switch, 1-pole | |
| Housing | vith line exit on both sides | |
| · 2 connec | tor terminals | |
| · Circuit 0- | 1-1+2-2-0 | |

 \cdot For cable 2 x 0.75 mm² and 3 x 0.75 mm²

| 924.054 | Housing black, button black | 10 items |
|---------|-----------------------------|----------|
| 924.055 | Housing white, button white | 10 items |

Refrigerator door switches with quick-action contact

- · With screwed contacts, T 85°C
- \cdot Two-hole fixing, fixing holes diameter 3.5 mm



| Art. no. | Version | Unit | | |
|--|--|-----------------------|--|--|
| Series 512 | 0 refrigerator door switch with quick-action contact 2(1)A/250V~ | LxWxH 39 x 34 x 15 mm | | |
| Break-cont | act switch, 1-pole | | | |
| Trade vers | ion with added housing | | | |
| Hole dista | nce 43 mm | | | |
| 924.203 | Housing white, button white | 40 items | | |
| 924.103 | · Housing black, button black | 40 items | | |
| Industrial version without additional housing | | | | |
| · Hole distance 25.5 mm | | | | |
| · Caution: Ensure installation is VDE-compliant, e.g. bolt only to insulating surfaces (plastic) | | | | |
| 924.071* | · Housing white, button white | 100 items | | |
| 924.072* | Housing black, button black | 100 items | | |



Foot-operated intermediate switches

- · With screwed contacts
- · For dual insulated flat cable 2 x 0.75 mm² and 3 x 0.75 mm²

Series 8009 intermediate foot switch 2(1) A/250 V ~

· Housing black, button black

· Housing white, button white

· Housing gold, button gold

· Housing brown, button brown

- · 2 connector terminals
- \cdot Snap-on housing assembly
- · Strain relief screwed

Off switch, 1-pole 924.062

924.063

924.064

924.065

| Art. no. | Version | | Unit |
|-------------|---|--|----------------|
| Series 506 | 2 intermediate foot switch 2(1) A/250 V ~ | | Diameter 66 mm |
| Off switch, | 1-pole | | |
| 924.056 | Housing gold, button gold | | 10 items |
| 924.057 | Housing white, button black | | 10 items |
| 924.058 | · Housing black, button black | | 10 items |
| 924.059 | Housing white, button white | | 10 items |
| 924.060 | · Housing brown, button beige | | 10 items |





| Series 800 | 9 intermediate foot switch 6(2) A/250 V ~ | Diameter 66 mm |
|---------------------------------|---|----------------|
| Off switch, | 1-pole | |
| Suitable fe | or secondary phase halogen lamp switching | |
| 924.068 | · Housing black, button black | 10 items |
| 924.069 | · Housing white, button white | 10 items |

| Series 800 | 9 intermediate foot switch 2(1) A/250 V~ | Diameter 66 mm |
|--------------|--|----------------|
| Multi-circu | it switch, 1-pole | |
| · Circuit 0- | 1-1+2-2-0 | |
| 924.066 | Housing white, button black | 10 items |
| 924.067 | · Housing black, button black | 10 items |
| 924.264 | Housing gold, button gold | 10 items |

| Series 800 | 8 intermediate foot switch 2A/250V~ | Diameter 66 mm |
|-------------|---|----------------|
| Off switch, | 1-pole | |
| 924.061 | Housing brass, button black | 10 items |
| | Housing and strain relief screwed, no snap-on housing | |





| r 66 mm | |
|---------|--|
| | |
| | |
| | |
| | |
| | |

Diameter 66 mm

10 items

10 items

10 items

10 items





Cord end switch

- \cdot With screwed contacts
- \cdot Housing and strain relief screwed



| Art. no. | Version | Unit |
|-------------|-------------------------------------|-----------------|
| Series 801 | 6 cord end switch 10(2) A / 250 V ~ | 30 x 51 x 20 mm |
| On/off swit | ch, 1-pole, marking 0 - 1 | |
| 924.073 | Housing white, rocker white | 50 items |
| 924.074* | · Housing black, rocker black | 50 items |

Cord end dimmers, 8013 series

 \cdot Hand or foot activated, for low-voltage halogen lamps (for conventional transformers)

 \cdot For high-volt halogen lamps, for bulbs of 20-500W





| Art. no. | Version | Unit |
|------------|-------------------------------|------------------|
| Series 801 | 3 cord end dimmer 250 V ~ | 107 x 60 x 30 mm |
| With 2 m c | able and appliance plug | |
| 924.078 | · Housing black, slider black | 1 item |
| 924.079 | · Housing white, slider white | 1 item |
| 924.080 | · Housing gold, slider gold | 1 item |
| 924.266* | · Housing titan, slider black | 1 item |

| Series 801 | 3 cord intermediate dimmer 250 V ~ | 107 x 60 x 30 mm |
|------------|---|------------------|
| | | |
| 924.075 | · Housing black, slider black | 1 item |
| 924.076 | Housing white, slider white | 1 item |
| 924.077 | · Housing gold, slider gold | 1 item |
| 924.265 | · Housing titan, slider black | 1 item |
| 924.336 | · Housing transparent, slider transparent | 1 item |

Series 8015 cord intermediate dimmer

 \cdot With illumination, for light bulbs, with strain relief



| Art. no. | Version | Unit |
|------------|------------------------------------|-----------------|
| Series 801 | 5 cord intermediate dimmer 230 V ~ | 92 x 28 x 27 mm |
| From 40 to | 160 watts with miniature fuse 0.8A | |
| 924.267* | · Housing transparent | 10 items |
| 924.081 | · Housing black | 10 items |
| 924.082 | · Housing white | 10 items |

Series 8113 cord intermediate dimmer



 \cdot For high-voltage halogen lamps, for light bulbs

| Art. no. Version | | Unit |
|--|------|------------------|
| Cord intermediate dimmer / reverse phase control dimmer series 8113, 23 | 0V~ | 130 x 60 x 35 mm |
| 50 Hz, 20 to 300 VA | | |
| \cdot Connection options can be freely selected (as intermediate or end dimmer) | | |
| Hand and foot activation | | |
| \cdot Buzz-free, without fuse protection, separate on and off switches, pilot light in the | dark | |
| 924.338 · Housing black | | 1 item |



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| Series 811 | 4 cord intermediate dimmer 250 V ~ | 96 x 41 x 29 mm |
|-------------------------------|---|-----------------|
| 50 Hz, 20 t | to 200 W/VA | |
| Revolving | off function, with earth wire connection | |
| · For low-ve | oltage halogen lamps with conventional transformers | |
| • For high-\ | voltage halogen lamps, for light bulbs | |
| · Fuse swite | ch accessible from the outside, allows problem-free fuse changing | |
| 924.340 | · Housing black, rotating wheel light grey | 1 item |
| 924.342 | · Housing transparent | 1 item |
| 924.343 | · Housing white | 1 item |
| 924.344 | · Housing gold | 1 item |



Series 3652 rocker switches

 \cdot With and without illumination, tab terminals 6.3 x 0.8 mm

Snap-in fixing to 11 x 30 mm cut-out

| Art. no. | Version | Unit |
|--|--|----------|
| Series 365 | 52 rocker switch 16(8) A/250 V ~, T 185 °C | |
| On-off swit | tch, 1-pole, non-illuminated, no embossing on rocker | |
| 924.090 | Housing white, rocker white | 50 items |
| 924.091 | Housing black, rocker black | 50 items |
| | | |
| On-off swit | tch, 1-pole, illuminated, no embossing on rocker | |
| 924.111 | Housing white, rocker red | 50 items |
| 924.112 | · Housing black, rocker red | 50 items |
| 924.113* | · Housing black, rocker yellow | 50 items |
| 924.114 | Housing black, rocker green | 50 items |
| | | |
| Changeover switch, 1-pole, non-illuminated, no embossing on rocker, no centre position | | |
| 924.092* | · Housing black, rocker black | 50 items |





Series 3652 rocker switches

\cdot With and without illumination, tab terminals 6.3 x 0.8 mm

Snap-in fixing to 22 x 30 mm cut-out



| Art. no. | Version | Unit |
|--|--|----------|
| Series 365 | 2 rocker switch 16(8) A/250 V ~, T 125 °C | |
| On-off swit | ch, 2-pole, non-illuminated, with rocker coinage 0 I | |
| 924.094 | Housing white, rocker white | 50 items |
| 924.095 | · Housing black, rocker black | 50 items |
| On-off swit | ch, 2-pole, illuminated, rocker embossed with 0 I | |
| 924.096 | Housing white, rocker red | 50 items |
| 924.097 | · Housing black, rocker green | 50 items |
| 924.098 | · Housing black, rocker yellow | 50 items |
| 924.099 | · Housing black, rocker red | 50 items |
| Changeove | er switch, 2-pole, non-illuminated, no embossing on rocker, no centre po | sition |
| 924.109 | · Housing black, rocker black | 50 items |
| On-off switch, 2 x 1-pole, illuminated, no embossing on rocker | | |
| 924.120 | · Housing black, rocker red/red | 25 items |

PVC caps and surrounds

· Retrofit to series 3652 as splash and dust protection

| Art. no. | Version | Unit |
|------------|--------------------------|----------|
| Series 22 | SPVC caps and surrounds | |
| for 1-pole | rocker switch | |
| 924.115* | · Frame white, cap clear | 50 items |
| 924.116 | · Frame black, cap clear | 50 items |
| for 2-pole | rocker switch | |
| 924.118 | · Frame black, cap clear | 50 items |

Series 8004 rocker switches

- · Snap-in fixing to 19.4 x 13 mm cut-out
- \cdot Suitable for secondary phase halogen lamp switching
- · Non-illuminated, marking 0 I



| Art. no. | Version | Unit | |
|---|--------------------------------|----------|--|
| Series 8004 rocker switch 6(2) A / 250 V ~, T 85 °C | | | |
| Off switch, | 1-pole | | |
| 924.127 | Flat socket connections 4.8 mm | 50 items | |
| | · Housing black, rocker black | | |
| 924.128* | Screw terminals | 50 items | |
| | · Housing black, rocker red | | |



Series 8005 rocker switches

 \cdot Snap-in fixing to 22 x 30 mm cut-out

- \cdot Combined flat socket connections 6.3 mm
- \cdot Screw terminals M 3
- · Illuminated, marking 0 I

Art. no. Version

| Series 800 | 5 rocker switch 16(4) A / 250 V ~, T 85 °C | |
|--------------------|--|-----------|
| Off switch, 2-pole | | |
| 924.129* | · Housing black, rocker red | 100 items |

Unit

Series 8014 rocker switches

| Art. no. | Version | | Unit |
|--------------------------------|---|----|----------|
| Series 801 | 4 rocker switch 6(2) A/250 V ~, T 85 °C | | |
| Off switch, | 1-pole | | |
| Fits diame | eter 22 mm, fixing thread M 22, Class II | | |
| · Screwed | contacts, with plastic hexagonal nut | | |
| · Suitable f | or secondary phase halogen lamp switching | | |
| 924.131* | Housing white, rocker white | | 50 items |
| 924.132* | Housing black, rocker black | | 50 items |
| Series 801 Off switch, | 14 rocker switch 6(2) A/250V ~, T 120 °C 1-pole | | |
| · Fits hole a | diameter 19 mm, class II, screwed contacts, with protection against contact | ot | |
| · Suitable f | or secondary phase halogen lamp switching | | |
| 924.133 | · Housing black, rocker black | | 50 items |
| 924.134 | Housing white, rocker white | | 50 items |
| | | | |
| Series 801 | l4 rocker switch 16(4) A/250 V ~, T 85 °C | | |
| Off switch, | 2-pole | | |
| 0 | xing to 22 x 30 mm cut-out, combined tab terminals 6.3 mm | | |

• Screw terminals M 3, with water protection cap, illuminated, marking 0 I

924.136 · Housing red, rocker red

50 items



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Multi-position pushbutton switches

• Central fixing by M 12 x 1 mm, screwed contacts, bell-shaped nut screws on from above • Circuit 0-1-1+2-2-0

| Art. no. | Version | Unit | |
|------------------------------|--|-----------|--|
| Series 307 | 6 multi-position pushbutton switches 2A/250V~, T 100°C | | |
| Multi-circuit switch, 1-pole | | | |
| 924.140* | · Button white, thread length 8 mm | 50 items | |
| 924.141* | · Button white, thread length 12 mm | 100 items | |

Push-button switches

 \cdot Central fixing by M 10 x 1 mm, screwed contacts, bell-shaped nut screws on from above

| Art. no. | Version | Unit |
|---|---|-----------|
| Series 800 | 01 pushbutton switch 2(0,7) A/250V ~, T 100 °C | |
| Off switch, | , 1-pole | |
| 924.142 | · Button white, thread length 8 mm | 100 items |
| 924.143 | · Button black, thread length 8 mm | 100 items |
| 924.145* | · Button white, universally usable for 8-15 mm thread | 100 items |
| | with 2 thread-reducing rings | 100 items |
| Series 800 Off switch, | 01 pushbutton switch 6(2) A/250 V ~ AC, T 85 °C , 1-pole | |
| Off switch, | , 1-pole | |
| Off switch, | | 100 items |
| Off switch, · Suitable for | , 1-pole or secondary phase halogen lamp switching | 100 items |
| Off switch, · Suitable for 924.144 | , 1-pole or secondary phase halogen lamp switching | 100 items |
| Off switch, · Suitable for 924.144 | 1-pole or secondary phase halogen lamp switching Button white, thread length 8 mm 30 pushbutton switch 2(1) A/250 V ~, T 85 °C | 100 items |
| Off switch, · Suitable for 924.144 Series 303 Off switch, | 1-pole or secondary phase halogen lamp switching Button white, thread length 8 mm 30 pushbutton switch 2(1) A/250 V ~, T 85 °C | 100 items |
| Off switch, · Suitable for 924.144 Series 303 Off switch, | , 1-pole or secondary phase halogen lamp switching Button white, thread length 8 mm 30 pushbutton switch 2(1) A/250 V ~, T 85 °C , 1-pole | 100 items |

Pushbutton

·Without thread, screwed contacts, fixing holes Ø 3.6 mm



| Art. no. | Version | Unit |
|------------|-----------------------------|----------|
| Series 800 | 1 pushbutton 2 A/250 V ~ AC | |
| Make-cont | act switch, 2-pole | |
| 924.146* | · Button white | 50 items |







inter BAR **Button** · Central fixing by M 10 x 1 mm, screwed contacts, bell-shaped nut screws on from above · With 2 thread-reducing rings, universal for 8-15 mm threads Version Art. no. Unit Series 8001 buttons 2(0,7) A/250 V ~, T 100 °C Make-contact switch, 1-pole 924.149* · Button white, thread length 8-15 mm 100 items Pull switches · Screwed contacts Version Unit Art. no. Series 3716 pull switch 4(1) A/250 V ~, T 125 °C Off switch, 1-pole 924.151 Housing black 50 items · Two-hole fixing · Hole distance 20 mm · Fixing holes Ø 3.4 mm Series 3730 pull switch 2(1) A/250 V~, T 125 °C Off switch, 1-pole 924.152 · Housing black 100 items · Single-hole fixing · Fixing holes Ø 3.2 mm 924.153 · Housing black 100 items · Hole distance 22-25 mm · With screwing on latches Series 3746 pull switch 2A/250V~, T 125°C Off switch, 1-pole · Two-hole fixing · Hole distance 22 mm · Fixing holes Ø 3.4 mm 924.154 · Housing brown-black, course cord guidance located on the face end 50 items · Housing brown-black, course cord guidance located on the wide end 924.155 50 items · Hole distance 23 mm · Fixing holes Ø 3.4 mm · With fixing plate · Housing brown-black, course cord guidance located on the face end 50 items 924.156

* No storage type, purchase in complete packaging units only





| Screwed contacts | | | | |
|---|--|----------|--|--|
| Art. no. Version | | Unit | | |
| Series 8017 pull switch 2A/250V~, T 100°C | | | | |
| Off switch, 2-pole | | | | |
| 924.159* · Housing black | | 50 items | | |

Multi-circuit pull switch

Pull switches

 \cdot Two-hole fixing, hole spacing 22 mm, hole diameter 3.15 mm

 \cdot Two-hole fixing, hole spacing 20 mm, hole diameter 3.4 mm



| Screwed contacts, switches between 0 - 1 - 1+2 - 2 - 0 | |
|--|----------|
| Art. no. Version | Unit |
| Series 3776 multi-circuit pull switch 2A/250V~, T 100°C | |
| Multi-circuit switch, 1-pole | |
| 924.157 | 50 items |

Pull cord

- \cdot 25 cm, with pull cone
- · Suitable for switch types 3716, 3730, 3746, 8017, 3776

| Art. no. | Version | Unit |
|-----------|---------|----------|
| Pull cord | | |
| 924.158 | ·White | 50 items |

Toggle switches

- · Suitable for equipment in safety class II, central fastening M 12 x 0.75 mm, hexagonal and knurled nut screwed on
- \cdot Toggle lever and housing made from thermoplastic, contacts silver, terminals silver plated
- \cdot Suitable for secondary phase halogen lamp switching



| Art. no. | Version | Unit | | |
|---|--|----------|--|--|
| Series 840 | 00 rocker switch 6(4) A / 250 V ~, T 85 °C | | | |
| Off switch, | 1-pole | | | |
| 924.160 | Solder connection | 50 items | | |
| 924.161 | Plug connection 4.8 mm | 50 items | | |
| | | | | |
| Series 8400 rocker switch 6(4) A/250 V ~, T 85 °C | | | | |
| Changeover switch, 1-pole | | | | |

50 items

50 items



Free Contraction Special products inter 🏾 BAR Unit Art. no. Version 8600 series pulse starters Instant ignition (rapid starter) · For fluorescent lamps, reduces the costs of maintenance and replacement of fluorescent lamps, protects the environment, 10-year warranty, -30 °C to +75 °C 924.167 · EFS 120/110-250V~, 4-22W 10 items · EFS 600/200-260 V~, 4-125 W 924.168 10 items Overload protection-power strip type 8110 2-way 924.164 ·230V~, 50Hz/16A 1 item · For connecting two devices with high energy consumption 6.0 (e.g. washing machines and driers) · 1.5 m connector cable with plug · 1 socket outlet with automatic cut-out, power dependent · 1 socket outlet, carry current · Screw-on · Weight 450 g Note This overload-protected power strip solves the problem of running two power-hungry appliances such as a washing machine and a tumble drier from a single supply cable. It prevents fuses being blown and avoids the need for new cables to be installed. The two appliances can be run simultaneously because the power strip cuts out the tumble drier during the water-heating phase of the washing machine. Once the heating stage is completed, the dryer is automatically switched on again. For electronic drvers please consult your user manual. Art. no. Version Unit NEV Series 8140 power socket Thermo Dimensions: 59 x 107 x 40 mm Temperature-controlled socket with 1 x earthed plug max 230V / 16A · Built-in battery Ni-MH 2.4 V / 40 mA 924.174 10 items Integrated thermostat \cdot Adjustable temperature range: 5 °C to 30 °C, 40 °F to 85 °F · Operating temperature: -10 °C to 70 °C

Accuracy: +/- 1 °C
 LCD display, with coloured operating information
 Display of target/actual temperature
 Socket with manual switch
 Dawn switch DS-A type 8812
 Dimensions: 34 x 22.5 x 16 mm
 230V AC, 50/60Hz, ± 10%
 924.171
 Maximum load 100V ~ A at Too=-20 °C to 35 °C
 Load current max. 430 mA
 Switch-on wave approx. 5 - 15 Lux
 Switch-off wave approx. 30 - 40 Lux
 Cast housing

Pinfix series 8821

| Art. no. | Version | Unit | | | |
|--|--|----------|--|--|--|
| Pinfix serie | es 8821 | | | | |
| Special solution for difficult flat connector power packs | | | | | |
| For the whether the second seco | · For the whole of Europe (except Switzerland) | | | | |
| Pinfix is patented, 1 item on blister cards | | | | | |
| 924.329 | ·Black | 20 cards | | | |
| 924.330 | • White | 20 cards | | | |



* No storage type, purchase in complete packaging units only

4-key keypad

Programmable illuminated buttons for controlling equipment and media.

10-inch (10") panel

A mounting frame with a standardised width of 10" = 254 mm, with holes for bolting to 10" racks. Used for events equipment, media and laboratory systems and in data centres. As a rule the panels have a height of 1 height unit (1 U) with a specified height of 1.75" = 44.5 mm.

19-inch (19") panel

A mounting frame with a standardised width of 19" = 482.6 mm, with holes for bolting to 19" racks. Frequently used for events equipment, media and laboratory systems and in data centres. As a rule the panels have a height of 1 height unit (1 U) with a specified height of 1.75'' = 44.5 mm.

Audio jack or tip-ring-sleeve (TRS) connector

Internationally accepted electrical connector for AC or DC in the low-voltage (SELV – safety extra-low voltage) range. Jack plugs, sockets and couplings are used most typically for audio signals or for connecting a small electronic device to a power supply unit. Jack plugs are often used for connecting headphones to audio equipment. Versions available: **3.5 mm (mini audio jack)** for portable devices (MP3 players, Discmans etc.), sound cards and small headphones. 6.35 mm (jack) for stereo systems and electronic music equipment (mixing desks, effects units, synthesisers, keyboards, electric pianos, electric guitars and quitar amplifiers).

BNC connectors – Bayonet Neill Concelman These are coaxial connectors with a bayonet lock for high frequencies up to approx. 1 GHz, in some cases up to 4 GHz, with a defined wave impedance of 50 or 75 Ω (interchangeable). They are used chiefly in radio and video systems. The BNC design has however also been used for the transmission of weak DC and low-frequency AC signals and impulses in laboratory applications because of the shielding of the outer conductor from electrical interference. The coaxial construction thus provides protection against external electric fields. For this reason, connections to measuring devices such as oscilloscopes, frequence counters and function generators generally use BNC-type cables.

Bandwidth

The difference between two frequencies that form the limits of a specific, unbroken frequency range between them.

Blank

Function in video output devices of switching to a black still frame.

CAT

In data connection technology the following main categories and classes for equipment

| periornance | are general | y accepted. | | |
|-------------|-------------|-------------|----|--|
| Category | Class | MHz | GB | |
| CAT5e | D | 100 | 1 | |
| CAT6 | E | 250 | 1 | |
| CAT6a | E | 500 | 10 | |
| CAT7 | F | 600 | 10 | |
| CAT7a | F | 1.000 | | |
| | | | | |

The difference between category and class is that the individual components such as cable, socket, connector etc. are graded into categories. The overall performance of the sum of these components, i.e. of the complete data network, is referred to as the class. The class of the network as a whole is thus determined by the weakest component. Example: CAT6 cable and plug are connected to a CAT5e socket, the overall network attains only class D. Additionally, a distinction is made in data connection equipment between shielded and unshielded components Worldwide, unshielded versions are most commonly used; however, in Germany almost 100% of cabling is shielded. The currently applicable standard for this area of data connection technology is summarised in EN 50173.

Cinch (RCA)

For non-standardised connectors for electrical signals, primarily on coaxial cables. Use: Audio white = left analogue channel (sometimes also black); Audio red = right analogue channel; Orange = digital audio; Video yellow = composite video, analogue unmodulated TV picture signal in baseband (VBS or CVBS); Video green = Y (brightness); Video blue Pb (colour difference); Video red = Pr (colour difference)

Coaxial ('coax') cable

Coaxial cable is a special type of cable with concentrically arranged conductors for carrying high-frequency signals such as in TV systems for analogue CVBS or for digital studio signals (DSC).

Composite Video See Cinch (RCA).

Control unit

See Media control systems.

Crossover

In computer networking, a cross or crossover cable is an eight-wire twisted-pair cable with an RJ45 plug at each end, but where some of the wires have been swapped over in one of the plugs. It is required e.g. where two computers are connected together directly. It is also possible, instead of a crossover cable, to use an uncrossed cable in conjunction with a crossover adaptor to obtain the required crossing of wire pairs. The simplest use of a crossover cable is to link two computers with network cards without necessarily requiring a hub or switch. The two computers thus connected form a complete network on the smallest possible scale. Crossover cables can normally be dispensed with in gigabit Ethernet, since Auto-MDI-X is defined in the standard for this and is supported by most devices. In a crossover cable, the sent data wire is crossed with the received data wire at one end, so that data exchange is possible over a direct connection. If the send and receive wires had not been swapped at one end, no link between the machines would be obtained.

CVBS See Cinch (RCA).

DVB - Digital Video Broadcasting

By 2010 all radio and TV channels in Germany are expected to be transmitted via digital video broadcasting (DVB). The transmission paths available are terrestrial frequencies (DVB-T), cable (DVB-C) and satellite (DVB-S). A mobile radio standard (DVB-H) is still at the testing stage. In all cases a special receiver is required to receive the signal

DVB-T allows up to 24 TV channels to be received via a conventional domestic TV antenna. The channels are broadcast without encryption and are free of charge. So far, commercial broadcasters have only engaged in DVB-T in urban areas.

DVB-C offers more channels - theoretically up to 500. However, a prerequisite for receiving the signal is a paidfor cable connection. Commercial broadcasters using the digital cable network usually encrypt the signal, which then requires a smart card from the network operator to decode.

Display port

A port for conveying image and sound signals (e.g. monitor, DVD player, plasma TV etc.).

DVI - Digital Video Interface

A digital interface for video signals. In this system the sound has a separate input. The high-definition (HD) formats however use the new HDMI input. There are three different types of digital video interface: DVI-A carries analogue signals only, DVI-I is capable of transmitting both analogue

and digital signals, and DVI-D carries digital signals only. If the new TFT monitor has a DVI-D interface, the old graphics card with analogue VGA output cannot be connected to it.

EIB

The European Installation Bus (EIB) is a standard to EN50090 that describes how sensors and actuators should be connected together in a domestic installation. It also defines the communications protocol. The EIB thus controls, for example, lighting and shutters or other shade-providing devices, heating, locking and alarm systems. EIB has subsequently been further developed and been known since 2002 as the KNX standard.

Ethernet

A protocol that controls data transfer in local area networks (LANs). This standard was developed by the Californian Xerox corporation in 1976.

F connectors

(IEC 60169-24) are coaxial plugs with screw locking designed for high frequencies up to about 5 GHz with a defined wave impedance of 75 Ω. The most commonly used connector in satellite television systems worldwide.

FireWire

The FireWire interface is used for rapid data exchange between a computer and multimedia or other peripheral devices. Thanks to its high transfer rate, FireWire can also be used as an alternative to Ethernet (IP over FireWire).

Full HD TV

Full HD models offer TV and video images with 1920 x 1080 pixels – currently the highest pixel number in HDTV broadcasts or high-definition feeds. This picture quality represents five times the resolution of conventional TV pictures. Even when observed close up, the viewer cannot see any kind of pixel structure. Video projections profit in particular from full HD resolution. The term is mostly used to describe the ability of an HDTV-capable device to output the highest possible HD resolution.

Hardware detect

Automatic detection of incoming signals, e.g. if a laptop is connected to an output device while switched on, the output device automatically recognises this newlyconnected device.

HDMI - High Definition Multimedia Interface

Interface for picture and sound information in HDTV and HD television systems. It enables fully digital transmission of video and digital sound with up to eight channels. The HDCP digital copy-protection system is built in.

HDTV - High Definition Television

HDTV has significantly higher resolution, shows the picture more sharply and with more detail, and is broadcast with an aspect ratio of 16:9 rather than the traditional 4:3. Resolution is up to 1920 x 1080 pixels. To receive HD pictures, a TV set is required that carries the "HD ready' . seal

Hi-Fi – High Fidelity

Hi-Fi (high fidelity) is a quality standard for audio playback equipment.

Hosiden See S-Video

Impedance

Impedance, sometimes also known as AC resistance. states the ratio of electrical voltage across a consume (component, cable etc.) to the current drawn. Impedance is important when matching high-frequency cables and also in the transmission of electromagnetic waves in free space. If for example the input impedance of a device does not match that of the incoming cable, reflections occur that reduce the energy transmitted and that can cause resonance effects and thus a non-linear frequency response.

ISDN – Integrated Services Digital Network

International standard for a digital telephone network. Allows multiple channels to transmit simultaneously. A basic ISDN connection offers the user two independently available channels for telephone or internet. Bandwidth is 64 kb/s.

Keystone

Universal dimensions (19.3 x 14.7 mm) for cutouts for mounting components.

KNX technology resulted from the confluence of three European bus standards, the European Installation Bus (EIB), the European Home Systems Protocol (EHS) and Batibus (used in heating/ventilation/climate control) to create a unified technological platform for all areas of home and building systems in the form of an international industry standard. KNX allows central control of practically all components of home and building systems technology, from lighting through heating to alarm systems, and offers advantages of convenience, security and econom for functional buildings as well as in residential settings. The KNX specification was presented by the then newly founded KNX Association in spring 2002. Based on the EIB standard, with which the new technology platform remains fully compatible, KNX emerged from expansions using new configuration mechanisms and transfer media that had originally been developed for Batibus and EHS. By 2003 KNX was ratified by CENELEC, the Brusselsbased European committee for electrical standards, as European Standard EN 50090. Shortly afterwards it was ratified by the CEN standards institute under EN 13221-1 as the European standard for the automation of buildings.



LAN - Local Area Network

Computer network that links various computers and peripheral devices via cables or wireless over a restricted physical area

Loudspeaker connections

Stereo (red + white) screw terminals for audio signals.

I C

This connector is similar to the SC but smaller.

Media control

Control of video, power, lighting and audio systems in a building. Sound, light and video are controlled by appropriate commands. Media control allows all the devices to be used in a presentation to be linked and controlled in the desired time sequence.

Mini audio iack

3.5 mm jack socket for audio signals (e.g. from laptop or PC to loudspeakers).

Mini USB

A compact plug or socket version of the USB standard. This version was developed for devices with restricted space such as mobile telephones and digital cameras.

MTRJ

An optical connector that accepts two fibres; the junctions are embedded in a common plastic block in the shape of an RJ45 connector. This design also prevents any confusion of the outward and return line and is easy to insert and to remove. This connector is suitable for single-mode and multi-mode fibres.

MUTE

Switching of audio devices to silence.

OWG - Optical waveguides

Cables made up of, or including, optical fibre conductors with connectors for transmitting optical signals in the visible, ultraviolet or infrared ranges. Fibre-optic cables form a reasonably pliable medium for transmitting optical signals or even higher-powered optical radiation.

Overvoltage protection with filter

Overvoltage protection - conforms to DIN VDE 0620-1:-2002-01, EN 61643-11:08-2007, type 3, discharge current 6.5 kA, response time < 25 nS. Suitable for 16 A (miniature fuse on request) with varistors, temperature fuse, gas discharge arrester, visual LED function and failure indicator (acoustic signalling also available on request). Mains and frequency filters – conforming to VDE 0565-3:05-2006 for voltage peaks up to 30 MHz, damping diagram on data sheet

PAL – Phase Alternating Line

The conventional television standard in Europe for analogue TV signals with a resolution of 720 x 576 pixels.

Potential-free contact

Used for communicating a status between electrical devices. Contact is normally established via a relay or optical coupler. This ensures that the electric circuits of the respective devices remain galvanically isolated from one another. This solution is the simplest and safest method for e.g. transmitting digital data electrically.

PowerCON

A type of 3-pole power connector with coding and interlocking, most frequently used for stage equipment. The interlock mechanism protects against the plug being accidentally pulled out of its socket.

PS/2 interface (PS/2 connection, PS/2 port, originally

'auxiliary port'). Commonly used 6-pin serial interface for input devices (e.g. mouse and keyboard) on personal computers

Pushbutton

Illuminated blue, various types, e.g. in desk control panels for controlling equipment. Rocker buttons are used for up/ down control of external devices, e.g. screen, blinds etc.

Pushbutton: automatic switchoff

Power strips that feature an automatic switchoff device are used to automatically switch off the power to the connected equipment. Pressing the button subsequently restores power to the connected equipment.

Pushbutton: stainless steel

For connection by the user to control equipment and media

RCA

See Cinch (RCA)

RGB signal

In a RGB signal the colours red, green and blue are each transmitted and/or stored in their own channel. RGB signals are used for video transmission e.g. on computers with a VGA interface or in video systems with SCART connections

RJ (registered jack) connectors These are standardised connectors for telecommunications cables. The standards describe the physical form of plugs and sockets and their contact configurations, and are designated by the letters RJ and a number (e.g. RJ-45), with or without the hyphen. Examples: RJ126P6C/RJ458P8C

RJ12

see RJ (registered jack) connectors.

Router

A device that forwards data packets though various networks. The router serves to calculate the connections between, for example, two local networks (LANs) and automatically establishes the optimum path for the data packets.

BS-232

Serial interface standard with 25-pole or 9-pole connector for serial data transmission. Also known as V.24. Both oneto-one pinouts and crossover configurations are commonly used.

sc

An optical connector used in new LAN installations. The right-angled design can be used for multi-mode and single-mode (monomode) glass fibres. Average insertion loss is about 0.2 dB, maximum approx, 0.4 dB. The advantage of SC over the ST connector is the push-pull design- i.e. the plug locks in automatically when inserted and is released when pulled out. This allows the use of duplex connectors (two connectors linked by a duplex clip) and duplex connections can be inserted or removed simultaneously.

Speakon

A connector designed for loudspeakers, offering a robust construction, a 20A contact current capacity and secure interlocking. Speakon connectors are available in two-pole, four-pole and eight-pole versions; the 2-pole and 4-pole types are mutually compatible. The eight-pole version has a larger physical size. The number of contacts available in a single connector makes it possible to connect multichannel passive systems, satellite subwoofer systems or multi-channel monitor loudspeaker constellations via a single cable.

ST

This connector (also known as a BFOC connector) is common in LANs and is suitable for single-mode and multi-mode optical fibre cables. Average insertion loss is about 0.3 dB, maximum approx. 0.5 dB

S-Video/Super Video system

S-Video, also known as the Y/C process, designates a special analogue video signal process in which the 'luminance' (brightness) information is transmitted and processed separately from the 'chrominance' (colour information). An example application of S-Video is in VHS video recorders.

S-VHS – Super Video Home System An improved, downward-compatible VHS standard for home video-band recording that offers better picture resolution and greater colour accuracy. Horizontal image resolution is some 2/3 better than in VHS. S-VHS is a standard, not a connector. The S-VHS standard signal may however be transmitted via the S-Video (Hosiden) connector.

Switch

A network component for linking multiple computers or network segments within a local area network (LAN). Switches analyse network traffic and make logical decisions.

TOSLINK

A standardised optical wavequide connection system for optical signals in the range up to about 20 Mbps. Used to carry digital audio signals between audio devices

TrueHD

Audio standard for high-resolution media such as Blu-ray and HD DVD. TrueHD allows 100 % loss-free compression of audio data. The codec allows a data rate of up to 18 Mbps.

USB - Universal Serial Bus

USB is used to connect a variety of devices together by cable. USB is a bit-serial bus on which the individual bits of a data packet are transmitted one after another. Devices with USB can be connected to one another while operating, since the newly connected devices are automatically detected, USB is used to connect, for example, printers, digital cameras, MP3 players and hard disks to a computer.

VBS See Cinch (RCA).

VGA / audio switch

Switches between multiple input sources (e.g. several laptops) as required and forwards the signal to output media devices (e.g. projector, monitor, loudspeaker)

VGA – Video Graphics Array refers to a computer graphics standard (EISA, 1987) that defines specific combinations of image resolution and number of colours (colour bit depth) as well as repeat frequency. VGA allows a resolution of 640 x 480 pixels while VGA cables allow a higher resolution. The 15-pole VGA socket is used to transmit image signals (e.g. from laptop or PC monitor to a projector, VGA switch box etc.)

XLR

Industry standard for electrical plug connections. Used in professional public-address and recording studio systems 3-pole XLR connectors are used for analogue microphone and loudspeaker signals and for digital AES/EBU signals 5-pole connectors are used for DMX digital lighting control data.

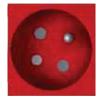


| M type with earthing contact 35° / 90° | Earthing contact |
|--|------------------|
| Earthing contact socket insert, 16A/250V~ max. 3600W | |
| Conforms to DIN VDE 0620-1 Design DIN 49 440 | |

- Colours: black, red, white, grey
 Set at 35°
- Module width 42.5 mm
- \cdot For use in: Germany, Austria, Netherlands, Italy (partial), Spain, Portugal, Sweden, Norway,
- Finland, Slovenia, Romania, Hungary, Afghanistan, Andorra, Vatican City, San Marino, Estonia, South Korea, Indonesia, Iceland, Chile, Bulgaria



- M-UTE 35° / 90°
 - Earthing contact socket insert UTE / France, 16A/250V~ max. 3600W
 - · Conforms to NF C 61-314
 - · Child-proof
 - · Colours: black, red, white, grey
 - · Set at 35°
 - · Module width 42.5 mm
 - · For use in: France, Belgium, Poland, Monaco, Slovakia, Czech Republic



M-UTE for IT red

- Earthing contact socket insert, UTE / France, for IT, red, $16\,A/250\,V{\sim}$ max. $3600\,W$
- · Conforms to NF C 61-314
- \cdot Child-proof and with additional plug-in fuse
- · Colour: red
- · Set at 35°
- · Module width 42.5 mm

Conforms to SEV 1011:98
 Colours: black, red

· For use in: France, Belgium, Poland, Monaco, Slovakia, Czech Republic

Earthing contact socket insert, Switzerland CH, 10A/250V~ max. 2500W

H-CH 0° / 90°



Set at 0°

- · Module width 35 mm
- · For use in: Switzerland, Liechtenstein



M-USA 0°

Earthing contact socket insert, USA, 15A/115V~ max.

- \cdot Conforms to UL
- Colour: black
- · Set at 0°
- · Module width 32 mm
- · For use in: USA, Canada, Mexico, South America (some regions)



M-UK FUSE 45°

- Earthing contact socket insert, UK, individually fused 3.15A/240V~ or 5A/240V~
- · Conforms to BS 5733:1995
- · Individually fused, either 3,15A or 5A
- \cdot Child-proof
- · Colour: black
- · Set at 45°
- · For use in: UK as per standard for office furniture



M-UK 90°

- Earthing contact socket insert, UK, 13A/240V~
 - · Conforms to BS 1363
 - Child-proof
 - · Colour: black
 - · Set at 90°
 - · Module width 54 mm
 - \cdot For use in: UK, Ireland, Singapore, Malaysia, Cyprus, Malta, Hong Kong, Dubai



USA

UK

UK

France

France

Switzerland



| M-IT 35° | Italy | |
|---|-----------|-------|
| Earthing contact socket combination/Italy 10A/230V or 16A/230V~ | | 1 8 |
| · Child-proof | | |
| · Colour: black | | 100 |
| · Set at 35° | | |
| Module width 45 mm | | |
| For use in: Italy, South Tyrol, South America (some regions) | | |
| M-AUS 90° | Australia | 10 |
| Socket outlet combination, Australia, 10A/250V | | |
| Conforms to AS/NZS 3112 | | 31 |
| · Colour: black | | |
| · Set at 90° · Module width 45 mm | | |
| For use in: Australia, New Zealand, Argentina | | |
| - | | |
| M-CN 90° | China * | |
| Earthing contact socket insert, China, 10A/250V Conforms to CCC | | - |
| Colour: black | | 51 |
| - Colour. black | | |
| · Module width 42.5 mm | | |
| Can be used in China | | |
| | | |
| M-DK 35° Earthing contact socket insert, Denmark, domestic, 10A/250V~ | Denmark | 12 |
| · Conforms to DS/IEC 60884-1:2004 | | |
| Colour: black | | |
| • Set at 35° | | |
| • Module width 42.5 mm | | |
| · For use in: Denmark | | |
| M-DK EDV 35° | Denmark | |
| Earthing contact socket insert, Denmark, for IT, 10A/250V~ | Bonnark | 12 20 |
| Conforms to DS/IEC 60884-1:2004 | | |
| · Colour: black | | |
| Set at 35° | | |
| · Module width 42.5 mm | | |
| · For use in: Denmark | | |
| M-IEC 10A | | T - |
| Earthing contact socket insert, non-heating appliance socket, 10A/250V~ | | |
| Conforms to IEC 320 | | |
| Colour: black | | |
| Set at 90° | | |
| Module width 42.5 mm | | |
| Can be used internationally | | |
| M-IEC 16A | | 100 |
| Earthing contact socket insert, non-heating appliance socket, 16A/250V~ | | |
| Conforms to IEC 320 | | |
| Colour: black | | |
| Set at 90° | | |
| Module width 42.5 mm | | |
| Can be used internationally | | |
| | | |
| | | |
| | | 101 |
| M-GST18i3 Earthing contact socket insert GST18i3 16A/250V~ · Conforms to DIN VDE 0628 | | 0: |

- \cdot Colours: black, red, white, pebble grey
- \cdot Set at 90°
- \cdot Module width 42.5 mm
- \cdot Can be used internationally

Ó.

3-pole plug systems with earthing contact

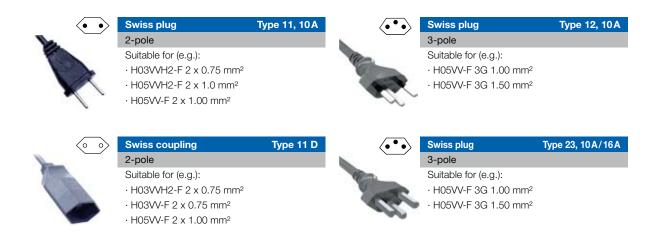
Suitable for all European countries except parts of Switzerland, Italy and UK.



Swiss plugs and couplings

+

Version tested by SEV.



International plugs

Plug with protection class 0 Type 44

2-pole

- Suitable for (e.g.):
- · H03VV-F 2 x 0.75 mm²
- · H05VV-F 2 x 0.75 mm²
- · H05VV-F 2 x 1.00 mm²
- · H05VV-F 2 x 1.50 mm²



| UK plug | Type 45-2, 13 A | [|
|------------------------------------|-----------------|---|
| 2-pole, moulded, with 13 A fu | se fitted | Ċ |
| Suitable for (e.g.): | | 1 |
| · H03VVH2-2 x 0.75 mm ² | | |

- · H05VVH2-2 x 0.75 mm²
- · H03VV-F 2 x 0.75 mm²
- · H05VV-F 2 x 0.75 mm²
- · H05VV-F 2 x 1.00 mm²



| UK plug | Type 45, 13A | |
|-----------------------------------|--------------|---------------------------|
| 3-pole, moulded, with 13 A fuse | fitted | |
| Suitable for (e.g.): | | - |
| · H03VV-F 3G 0.75 mm ² | | S-10 |
| · H05VV-F 3G 0.75 mm ² | | |
| · H05VV-F 3G 1.00 mm ² | | Contraction of the second |
| · H05VV-F 3G 1.50 mm ² | | |
| | | |
| | | |



Denmark IT plug Type 48, 10 A 3-pole Suitable for (e.g.): · H05VV-F 3G 0.75 mm² · H05VV-F 3G 1.00 mm2 · H05VV-F 3G 1.50 mm2

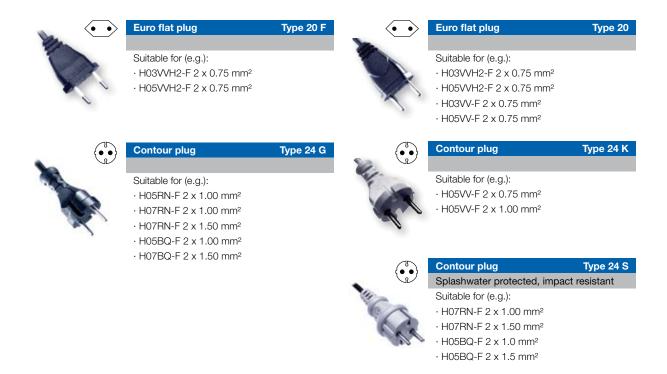
| Suitable for (e.g.): • H05VV-F 3G 0.75 mm ² • H05VV-F 3G 1.00 mm ² • H05VV-F 3G 1.50 mm ² | AL AN |
|---|-----------|
| Denmark right angle plug Type 48 W, 10 A | •• |
| 3-pole | |
| Suitable for (e.g.): | 1 m |
| • H05VV-F 3G 0.75 mm ² | Sec. 101 |
| $+ H05 V/-E 3G + 00 mm^{2}$ | All fills |

- · H05VV-F 3G 1.00 mm²
- · H05VV-F 3G 1.50 mm²



2-pole plug systems without earthing contact

Suitable for all European countries except parts of Switzerland, Italy and UK.



IEC appliance connectors





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|----------|------|----------|------|----------|------|----|--------|------|----------|-----|
| 10.0160 | 297 | 246.175 | 253 | 305.175 | 249 | 32 | 9.3030 | 207 | 331.000 | 221 |
| 10.3118 | 297 | 246.176 | 253 | 305.176 | 249 | 32 | 9.3031 | 207 | 331.006 | 221 |
| 116.270 | 246 | 246.185 | 253 | 305.184 | 249 | 32 | 9.3032 | 207 | 331.007 | 221 |
| 116.271 | 246 | 246.186 | 253 | 305.185 | 249 | 32 | 9.3033 | 207 | 331.010 | 221 |
| 116.272 | 246 | 246.375 | 253 | 305.274 | 249 | 32 | 9.3034 | 207 | 331.011 | 221 |
| 116.280 | 246 | 246.376 | 253 | 305.275 | 249 | 32 | 9.3035 | 207 | 331.012 | 221 |
| 118.270 | 246 | 248.174 | 253 | 305.276 | 249 | 32 | 9.3036 | 207 | 331.013 | 22 |
| 119.270 | 246 | 248.175 | 253 | 305.284 | 249 | 32 | 9.3037 | 207 | 331.014 | 221 |
| 119.271 | 246 | 248.176 | 253 | 305.285 | 249 | 32 | 9.3102 | 199 | 331.0202 | 188 |
| 119.272 | 246 | 248.185 | 253 | 305.974 | 249 | 32 | 9.3104 | 199 | 331.032 | 222 |
| 119.274 | 246 | 248.186 | 253 | 305.975 | 249 | 32 | 9.3105 | 199 | 331.035 | 222 |
| 119.280 | 246 | 249.875 | 253 | 311.273 | 250 | 32 | 9.600 | 201 | 331.040 | 222 |
| 119.281 | 246 | 249.876 | 253 | 312.174 | 250 | 32 | 9.601 | 201 | 331.071 | 221 |
| 130.080 | 255 | 251.173 | 250 | 312.175 | 250 | 32 | 9.602 | 201 | 331.072 | 221 |
| 130.081 | 255 | 251.183 | 250 | 312.275 | 250 | 32 | 9.604 | 201 | 331.074 | 222 |
| 130.2300 | 299 | 290.0608 | 299 | 313.175 | 250 | | 9.605 | 201 | 331.154 | 222 |
| 130.2400 | 297 | 300.000 | 155 | 313.185 | 250 | | 9.606 | 201 | 332.071 | 222 |
| 130.2402 | 297 | 300.000 | 191 | 317.000 | 32 | | 9.615 | 201 | 333.000 | 188 |
| 131.080 | 255 | 300.000 | 231 | 317.000 | 32 | | 9.616 | 201 | 333.000 | 188 |
| | | | | | 32 | | | | | |
| 131.081 | 255 | 300.001 | 155 | 317.006 | | | 9.617 | 201 | 333.002 | 188 |
| 132.080 | 255 | 300.001 | 191 | 317.100 | 33 | | 9.618 | 201 | 333.004 | 188 |
| 132.081 | 255 | 300.001 | 231 | 317.101 | 33 | | 9.700 | 202 | 333.005 | 188 |
| 133.080 | 255 | 300.002 | 155 | 317.102 | 33 | | 9.701 | 202 | 333.0122 | 180 |
| 133.081 | 255 | 300.002 | 191 | 317.117 | 32 | | 9.702 | 202 | 333.0422 | 197 |
| 150.0203 | 298 | 300.002 | 231 | 317.173 | 306 | | 9.703 | 202 | 333.071 | 222 |
| 150.0205 | 298 | 300.003 | 155 | 320.175 | 254 | | 9.704 | 202 | 333.1007 | 26 |
| 150.0207 | 298 | 300.003 | 191 | 320.176 | 254 | 32 | 9.705 | 202 | 333.1008 | 26 |
| 150.0209 | 298 | 300.003 | 231 | 320.185 | 254 | 32 | 9.800 | 203 | 333.400 | 179 |
| 150.0211 | 298 | 300.004 | 155 | 320.186 | 254 | 32 | 9.801 | 203 | 333.401 | 179 |
| 150.0212 | 298 | 300.004 | 191 | 321.174 | 254 | 32 | 9.802 | 203 | 333.402 | 179 |
| 150.070 | 255 | 300.004 | 231 | 321.175 | 254 | 32 | 9.9001 | 205 | 333.403 | 179 |
| 150.072 | 255 | 300.005 | 155 | 321.176 | 254 | 32 | 9.9002 | 205 | 333.404 | 179 |
| 151.070 | 255 | 300.005 | 191 | 322.174 | 254 | 32 | 9.9003 | 205 | 333.405 | 179 |
| 151.072 | 255 | 300.005 | 231 | 322.175 | 254 | 32 | 9.9007 | 205 | 333.406 | 179 |
| 190.270 | 246 | 300.006 | 191 | 322.176 | 254 | 32 | 9.9008 | 205 | 333.4061 | 183 |
| 190.270 | 307 | 300.006 | 232 | 322.184 | 254 | 32 | 9.9009 | 205 | 333.4063 | 183 |
| 190.271 | 246 | 300.007 | 191 | 322.185 | 254 | 32 | 9.9010 | 205 | 333.4065 | 183 |
| 190.271 | 307 | 300.007 | 232 | 322.186 | 254 | 32 | 9.9011 | 205 | 333.4066 | 183 |
| 190.273 | 308 | 300.011 | 191 | 323.185 | 254 | 32 | 9.9012 | 205 | 333.407 | 181 |
| 202.174 | 247 | 300.011 | 231 | 323.186 | 254 | 32 | 9.9013 | 205 | 333.408 | 180 |
| 202.175 | 247 | 300.012 | 191 | 327.875 | 254 | | 9.9014 | 205 | 333.410 | 180 |
| 202.184 | 247 | 300.012 | 231 | 327.876 | 254 | | 9.9015 | 205 | 333.411 | 180 |
| 202.185 | 247 | 300.030 | 232 | 328.875 | 254 | | 9.9016 | 205 | 333.412 | 180 |
| 202.274 | 247 | 301.174 | 249 | 328.876 | 254 | | 0.070 | 221 | 333.413 | 180 |
| 202.275 | 247 | 301.175 | 249 | 329.174 | 254 | | 0.071 | 221 | 333.416 | 179 |
| 202.284 | 247 | 301.274 | 249 | 329.114 | 197 | | 0.072 | 221 | 333.417 | 180 |
| 202.284 | 247 | 301.274 | 249 | 329.213 | 197 | | 0.072 | 221 | 333.417 | 183 |
| | | | | | | | | | | |
| 211.174 | 247 | 301.974 | 249 | 329.215 | 197 | | 0.100 | 227 | 333.419 | 183 |
| 211.274 | 247 | 302.174 | 248 | 329.3001 | 200 | | 0.100F | 229 | 333.505 | 179 |
| 233.184 | 261 | 302.274 | 248 | 329.3003 | 200 | | 0.101 | 227 | 333.506 | 179 |
| 233.185 | 261 | 304.174 | 249 | 329.3004 | 200 | | 0.101F | 229 | 333.534 | 179 |
| 233.186 | 261 | 304.175 | 249 | 329.3005 | 200 | | 0.102 | 227 | 333.535 | 179 |
| 233.284 | 261 | 304.176 | 249 | 329.3007 | 200 | | 0.103 | 227 | 333.536 | 179 |
| 233.285 | 261 | 304.184 | 249 | 329.3008 | 200 | 33 | 0.104 | 227 | 333.537 | 179 |
| 233.286 | 261 | 304.185 | 249 | 329.3009 | 199 | 33 | 0.104F | 229 | 333.538 | 180 |
| 240.187 | 248 | 304.274 | 249 | 329.3010 | 199 | 33 | 0.105 | 227 | 333.539 | 179 |
| 240.189 | 248 | 304.275 | 249 | 329.3011 | 199 | 33 | 0.106 | 227 | 333.540 | 180 |
| 241.175 | 248 | 304.276 | 249 | 329.3012 | 199 | 33 | 0.107 | 227 | 333.600 | 189 |
| 241.275 | 248 | 304.284 | 249 | 329.3013 | 199 | 33 | 0.140 | 228 | 333.601 | 189 |
| 244.875 | 253 | 304.285 | 249 | 329.3014 | 199 | 33 | 0.142 | 228 | 333.602 | 189 |
| 244.876 | 253 | 304.974 | 249 | 329.3016 | 200 | 33 | 0.153 | 228 | 333.604 | 189 |
| 246.174 | 253 | 305.174 | 249 | 329.3017 | 200 | | 0.300 | 228 | 333.605 | 189 |

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| 3.616 | 179 | 339.1000 | 50 | 349.010 | 274 | 375.044 | 135 | 375.5 |
|)4 | 182 | 339.1001 | 50 | 349.011 | 274 | 375.045 | 135 | 375.52 |
| | 182 | 339.1001 | 157 | 349.012 | 275 | 375.046 | 135 | 380.27 |
| 3 | 197 | 339.1002 | 50 | 349.013 | 277 | 375.050 | 135 | 380.27 |
| 0 | 197 | 339.1004 | 50 | 349.017 | 273 | 375.050 | 159 | 381.10 |
| 15 | 179 | 339.1005 | 50 | 349.018 | 273 | 375.053 | 135 | 381.10 |
| 19 | 183 | 339.1006 | 50 | 349.019 | 273 | 375.053 | 159 | 381.12 |
| 0 | 179 | 339.106F | 229 | 349.020 | 273 | 375.055 | 135 | 381.130 |
| 338 | 183 | 341.184 | 261 | 349.027 | 275 | 375.055 | 159 | 381.141 |
| 840 | 183 | 341.185 | 261 | 349.028 | 275 | 375.064 | 136 | 381.144 |
| 3.862 | 197 | 341.186 | 261 | 349.029 | 275 | 375.068 | 135 | 381.146 |
| | | | | | | | | |
| 864 | 197 | 341.189 | 261 | 349.033 | 275 | 375.069 | 135 | 381.147 |
| 001 | 225 | 341.200S | 260 | 349.035 | 275 | 375.070 | 135 | 381.148 |
| 003 | 225 | 341.201S | 260 | 349.183 | 275 | 375.071 | 136 | 381.149 |
| 06 | 225 | 341.202S | 260 | 349.184 | 273 | 375.072 | 136 | 381.150 |
|)2 | 224 | 341.203S | 260 | 349.185 | 273 | 375.073 | 136 | 381.151 |
| 7 | 224 | 341.281 | 261 | 349.203 | 307 | 375.075 | 135 | 381.152 |
| 9 | 224 | 341.284 | 261 | 349.300 | 276 | 375.075 | 159 | 381.221 |
| 50 | 242 | 341.285 | 261 | 349.301 | 276 | 375.076 | 136 | 381.230 |
| 51 | 242 | 341.286 | 261 | 349.302 | 276 | 375.079 | 136 | 381.2413 |
| 55 | 243 | 341.287 | 261 | 349.303 | 276 | 375.080 | 135 | 381.2449 |
| 03 | 64 | 341.288 | 261 | 349.304 | 276 | 375.081 | 135 | 381.246 |
| 004 | 64 | 341.289 | 261 | 349.310 | 277 | 375.082 | 135 | 381.247k |
| 004 | 153 | 341.870 | 260 | 349.311 | 277 | 375.083 | 135 | 381.248 |
| 006 | 64 | 341.879 | 260 | 351.174 | 251 | 375.097 | 159 | 381.249 |
| 014 | 64 | 341.880 | 290 | 351.184 | 251 | 375.098 | 159 | 381.2501 |
|)15 | 64 | 343.170 | 263 | 351.974 | 251 | 375.101 | 136 | 381.2507 |
|)15 | 153 | 343.171 | 263 | 351.984 | 251 | 375.101 | 159 | 381.250F |
| 039 | 63 | 343.172 | 263 | 352.174 | 251 | 375.102 | 136 | 381.250 |
| 039 | 63 | 343.172 | 263 | 352.174 | 251 | 375.102 | 159 | 381.2512 |
| 046 | 64 | | 263 | 352.175 | 251 | | 136 | 381.2512 |
| | | 343.174 | | | | 375.105 | | |
| .067 | 63 | 343.175 | 263 | 353.185 | 251 | 375.105 | 159 | 381.252 |
| 072 | 63 | 343.176 | 263 | 353.975 | 251 | 375.106 | 136 | 381.3408 |
| .076 | 63 | 343.177 | 263 | 353.985 | 251 | 375.106 | 159 | 381.3435 |
| 079 | 63 | 343.179 | 263 | 356.119 | 209 | 375.115 | 135 | 381.450k |
| 088 | 63 | 343.191 | 263 | 356.120 | 209 | 375.115 | 159 | 382.204 |
| 600 | 63 | 343.192 | 263 | 356.174 | 252 | 375.116 | 135 | 382.205 |
| .600 | 119 | 343.370 | 262 | 356.175 | 252 | 375.116 | 159 | 384.2728 |
| 6.600 | 152 | 343.371 | 262 | 356.974 | 251 | 375.117 | 135 | 384.3715 |
| 6.601 | 63 | 343.372 | 262 | 356.975 | 251 | 375.117 | 159 | 385.170 |
| .601 | 152 | 343.373 | 262 | 361.174 | 252 | 375.127 | 135 | 387.170 |
| .603 | 63 | 344.170 | 265 | 361.184 | 252 | 375.128 | 135 | 387.171 |
| .604 | 63 | 344.171 | 265 | 372.174 | 252 | 375.129 | 135 | 387.172 |
| 6.604 | 152 | 344.172 | 265 | 372.184 | 252 | 375.270 | 235 | 387.270 |
| .606 | 63 | 344.174 | 265 | 373.174 | 252 | 375.500 | 136 | 387.2705 |
| 26 | 63 | 344.175 | 265 | 375.000 | 135 | 375.500 | 159 | 387.271 |
| .0080 | 29 | 345.170 | 264 | 375.000 | 159 | 375.501 | 136 | 387.2715 |
| .0081 | 29 | 345.171 | 264 | 375.003 | 135 | 375.502 | 65 | 387.272 |
| | | | | | | | | |
| .0200 | 15 | 345.172 | 264 | 375.003 | 159 | 375.503 | 136 | 388.170 |
| 8.0201 | 15 | 346.170 | 264 | 375.004 | 136 | 375.504 | 137 | 388.171 |
| .0203 | 24 | 346.171 | 264 | 375.005 | 135 | 375.505 | 137 | 388.172 |
| .0204 | 24 | 346.172 | 264 | 375.005 | 159 | 375.506 | 137 | 388.270 |
| .0205 | 24 | 347.170 | 265 | 375.007 | 135 | 375.507 | 137 | 388.270F |
| .0206 | 24 | 347.171 | 265 | 375.007 | 159 | 375.514 | 137 | 388.271 |
| 3.0210 | 15 | 347.172 | 265 | 375.016 | 135 | 375.515 | 136 | 388.271F |
| 8.0212 | 15 | 348.171 | 264 | 375.017 | 135 | 375.516 | 136 | 388.272 |
| 8.0214 | 24 | 348.172 | 264 | 375.018 | 135 | 375.517 | 137 | 388.371 |
| 3.0219 | 15 | 349.005 | 276 | 375.038 | 135 | 375.518 | 136 | 388.471 |
| 8.0221 | 15 | 349.006 | 275 | 375.038 | 159 | 375.519 | 137 | 392.180 |
| 8.0227 | 24 | 349.007 | 275 | 375.039 | 135 | 375.520 | 137 | 392.181 |
| | | 349.008 | 274 | 375.039 | 159 | 375.521 | 137 | 392.182 |
| 3.0230 | 15 | | | | | 0.0.0L1 | | 002.102 |

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| 393.002 | 272 | 509.013 | 151 | 720.027 | 283 | 852.9821 | 291 | 902.300 | 57 |
| 393.006 | 272 | 509.014 | 151 | 720.028 | 283 | 900.002 | 300 | 902.301 | 59 |
| 393.011 | 272 | 509.015 | 156 | 720.029 | 283 | 900.003 | 300 | 902.302 | 59 |
| 394.170 | 245 | 624.871 | 259 | 720.030 | 283 | 900.004 | 300 | 902.400 | 57 |
| 394.171 | 245 | 641.170 | 286 | 720.031 | 283 | 900.005 | 300 | 902.401 | 58 |
| 394.172 | 245 | 641.170 | 308 | 722.009 | 286 | 900.010 | 300 | 902.402 | 58 |
| 394.175 | 245 | 641.171 | 286 | 730.004 | 285 | 900.011 | 300 | 902.403 | 57 |
| 394.179 | 265 | 641.171 | 308 | 730.005 | 308 | 900.012 | 300 | 902.404 | 57 |
| 394.180 | 245 | 654.180 | 257 | 730.008 | 308 | 900.013 | 300 | 902.4048 | 57 |
| 394.181 | 281 | 654.181 | 257 | 740.000 | 310 | 900.1077 | 293 | 902.405 | 58 |
| 394.182 | 245 | 654.182 | 257 | 740.001 | 310 | 900.180 | 271 | 902.406 | 57 |
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| 394.184 | 280 | 654.281 | 257 | 740.003 | 309 | 900.187 | 271 | 902.408 | 57 |
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| 284.382311930.034141930.182141940.0857642.384317930.035121930.185141940.08511242.384317930.036212930.185141940.08621042.384317930.036211930.180511940.08616642.384317930.038211930.183511940.09620642.344317930.038211930.183151940.09620642.434317930.042212930.901143940.07613242.400124930.042212930.901143940.10613342.400124930.044212930.901143940.10613342.400125930.045212930.903143940.11216642.400125930.045214930.903143940.11216642.400127930.050121930.903143940.11220642.400127930.051121930.903143940.11220642.400127930.055212930.904214940.11220642.400127930.055214930.903143940.11220642.400127930.055214930.903143940.11220642.400127930.055214930.903143950.04950.04< | 924.330 | 323 | 930.033 | 139 | 930.160 | 141 | 940.074 | 137 |
| R4.344R287930.034212930.163141940.08515844.334311930.035141930.164141940.08512284.338317930.036141930.166140940.08616584.342317930.036211930.183511940.08512624.343317930.036212930.183511940.09622624.340317930.034212930.900143940.10320924.400124930.041212930.900141940.10613384.402125930.044212930.901143940.10513384.403125930.044212930.902143940.10513384.404125930.044212930.902143940.11276940.005139930.904214930.903143940.11276940.005139930.904214930.904214940.90513484.000127930.054211930.905143940.11270940.014127930.054211930.905143940.02630884.000127930.054211930.905143940.02630884.000126930.054214930.905143940.02630885.002138930.056214930.905143940.026308 </td <td>24.332</td> <td>287</td> <td>930.033</td> <td>211</td> <td>930.161</td> <td>141</td> <td>940.083</td> <td>76</td> | 24.332 | 287 | 930.033 | 211 | 930.161 | 141 | 940.083 | 76 |
| 24.334311930.038141940.184141940.08913224.336317930.038212930.180141940.08921324.340317930.036211930.18051940.0865524.342317930.037211930.18351940.08921524.342317930.037212930.183517940.08921224.400124930.044212930.050143940.173940.08921324.4001124930.044212930.000143940.18313324.4002124930.044121930.902143940.11013324.4003125930.044121930.902143940.14120924.4005126930.056121930.905143940.14220924.4005127930.056121930.905143940.14220824.6001127930.056214930.905143940.14220824.6001127930.057141930.905143940.14220924.6001127930.057141930.905143940.14220825.001137930.057141930.905143940.14220925.00418930.056121930.905143950.004950.00425.00418930.056141930.905143950. | 24.332 | 311 | 930.034 | 141 | 930.162 | 141 | 940.085 | 76 |
| 24.368 316 960.035 212 930.166 141 94.383 317 930.036 141 930.166 140 94.342 317 930.037 211 930.183 51 94.343 317 930.038 211 930.183 51 94.400 124 930.039 212 930.900 141 94.001 124 930.039 212 930.900 141 94.002 124 930.041 1212 930.900 214 94.003 125 930.042 212 930.901 214 94.010 125 930.044 212 930.901 143 940.102 129 930.901 141 940.102 209 944.005 125 930.046 211 930.901 214 940.012 126 930.901 143 940.167 209 944.001 127 930.061 141 930.906 214 940.167 <td>24.334</td> <td>287</td> <td>930.034</td> <td>212</td> <td>930.163</td> <td>141</td> <td>940.085</td> <td>158</td> | 24.334 | 287 | 930.034 | 212 | 930.163 | 141 | 940.085 | 158 |
| 24.388 317 930.086 141 330.166 140 94.008 66 24.340 317 930.086 211 330.160 51 940.006 26 24.342 317 930.037 211 330.183 51 940.007 66 24.340 317 930.040 212 930.900 143 940.007 66 24.4001 124 930.041 212 930.900 143 940.108 133 24.4001 124 930.044 212 330.902 143 940.108 133 24.4001 125 930.044 211 930.902 214 940.104 203 24.4002 124 930.044 141 930.902 214 940.102 206 24.4002 124 930.044 141 930.906 143 940.112 76 24.0001 127 930.050 211 930.906 143 940.167 209 24.50 | 024.334 | 311 | 930.035 | 141 | 930.164 | 141 | 940.089 | 132 |
| 224.340 317 930.036 211 930.180 51 940.036 208 224.342 317 930.037 211 930.182 51 940.036 208 224.343 317 930.033 212 930.183 51 940.036 208 224.400 124 930.042 212 930.051 143 940.036 133 224.4001 124 930.044 141 930.022 214 940.108 165 224.4002 125 930.045 141 930.022 214 940.108 165 224.4002 125 930.045 141 930.022 143 940.112 76 24.000 127 930.050 114 930.054 141 930.056 141 930.056 141 940.167 208 24.000 127 930.056 211 930.056 143 940.167 208 24.000 127 930.056 211 930.056 | 924.336 | 316 | 930.035 | 212 | 930.165 | 141 | 940.089 | 210 |
| 224.342 317 980.037 211 980.183 51 224.343 317 980.038 212 980.090 143 980.040 212 980.090 143 940.093 121 980.041 212 980.090 143 940.0182 940.093 133 980.042 212 980.090 143 940.106 133 980.044 212 980.090 143 940.106 133 980.044 212 980.090 143 940.106 133 980.044 212 980.091 214 940.108 133 980.044 212 980.091 143 940.108 209 980.045 214 980.061 143 940.112 76 980.046 211 980.065 143 940.142 209 980.057 141 980.066 143 960.003 980.003 980.066 121 980.066 143 960.003 | 924.338 | 317 | 930.036 | 141 | 930.166 | 140 | 940.096 | 65 |
| 224.343 317 330.088 211 960.183 51 940.097 65 24.440 317 330.040 212 330.050 141 930.030 143 940.096 211 944.000 124 930.044 212 930.900 143 940.105 133 944.002 124 930.044 212 930.902 143 940.105 133 944.006 125 930.045 212 930.903 143 940.142 206 940.012 930.045 212 930.903 143 940.142 208 940.006 127 930.049 211 930.903 143 940.142 208 945.000 127 930.051 140 930.905 143 940.167 209 945.002 127 930.054 212 930.905 143 950.002 308 925.002 18 930.057 141 930.906 143 950.002 308 | 924.340 | 317 | 930.036 | 211 | 930.180 | 51 | 940.096 | 156 |
| 224.344 317 330.039 212 930.183 157 940.099 21 224.4001 124 930.041 212 930.900 214 940.103 209 224.4001 124 930.041 212 930.900 214 940.106 133 224.4003 125 930.044 141 930.901 214 940.106 133 224.4005 125 930.045 141 930.902 214 940.140 209 224.4005 125 930.045 212 930.903 143 940.140 209 224.005 127 930.050 139 930.905 143 940.141 208 24.5003 127 930.051 140 930.905 143 940.167 209 24.5003 127 930.054 211 930.907 143 940.020 308 25.002 18 930.057 121 930.907 143 950.002 308 | 924.342 | 317 | 930.037 | 211 | 930.182 | 51 | 940.096 | 208 |
| 224.4000 124 930.040 212 930.900 143 940.103 209 224.4001 124 930.042 212 930.900 214 940.104 133 224.4002 125 930.044 212 930.901 124 940.105 65 224.4005 125 930.044 212 930.902 143 940.102 76 224.4005 128 930.045 141 930.902 214 940.102 76 224.4006 126 930.045 141 930.903 143 940.112 76 224.4006 127 930.050 139 930.903 143 940.167 208 224.5002 127 930.051 212 930.905 214 940.167 208 224.6000 127 930.057 212 930.906 143 950.000 308 226.004 18 930.057 212 930.906 143 950.000 308 | 924.343 | 317 | 930.038 | 211 | 930.183 | 51 | 940.097 | 65 |
| 224.4001 124 930.041 212 930.900 214 940.104 133 224.4002 124 930.041 212 930.901 143 940.105 133 224.4003 125 930.044 212 930.902 214 940.102 66 224.4005 125 930.045 212 930.903 143 940.142 208 224.4005 127 930.049 211 930.903 143 940.142 208 224.5001 127 930.050 211 930.905 143 940.142 208 224.5002 127 930.050 211 930.905 143 940.142 208 226.002 18 930.057 141 930.906 143 950.003 308 225.002 18 930.057 141 930.906 143 950.003 308 225.002 18 930.057 141 930.906 143 950.003 308 | 924.344 | 317 | 930.039 | 212 | 930.183 | 157 | 940.099 | 21 |
| 224.4002124930.042212930.0301143940.105133224.4004125930.0441212930.902143940.10865924.4006125930.045212930.902143940.140209924.4006125930.045212930.903143940.142208924.4006127930.049211930.904143940.166209924.5000127930.050211930.904143940.167209924.5001127930.051140930.905143940.167209924.5001127930.051140930.905143950.003308924.6000127930.051141930.905143950.003308924.600128930.055212930.907143950.004308925.00218930.055212930.908143950.004308925.00418930.055212930.908143950.004308925.00418930.056211930.909143950.004308925.0118930.056211930.909143950.004308925.0118930.056213930.11143950.004308925.0119930.061142930.0137930.0137930.026142940.04476940.04476940.044 | 924.4000 | 124 | 930.040 | 212 | 930.900 | 143 | 940.103 | 209 |
| 224.4003 125 930.044 141 930.901 214 940.108 65 224.4005 125 930.045 141 930.902 143 940.140 202 224.4005 125 930.045 212 930.903 214 940.142 206 224.4005 127 930.046 212 930.903 214 940.142 206 245.000 127 930.051 211 930.904 214 940.142 206 940.012 930.050 139 930.905 214 940.142 206 940.012 930.051 212 930.905 143 940.142 206 940.012 930.051 212 930.905 143 940.167 209 940.012 930.051 212 930.905 143 950.000 308 925.002 18 930.057 212 930.905 143 950.002 308 925.004 18 930.056 211 930.905 143 930.905 143 930.051 212 930.905 143 930.905 143 930.905 143 930.051 121 930.905 143 930.905 | 924.4001 | 124 | 930.041 | 212 | 930.900 | 214 | 940.104 | 133 |
| 224.4004 125 930.044 212 930.902 143 940.112 76 224.4006 125 930.045 141 930.902 214 940.140 209 224.4006 125 930.045 212 930.933 143 940.140 209 224.4000 127 930.050 139 930.933 143 940.142 208 224.5001 127 930.050 211 930.905 143 940.166 209 224.5002 127 930.051 212 930.905 143 950.002 308 224.5002 127 930.056 212 930.905 214 950.002 308 225.0021 18 930.057 212 930.907 143 950.004 308 225.001 18 930.056 211 930.906 215 930.906 215 930.901 143 950.014 361 369 361 361 362 361 361 | 924.4002 | 124 | 930.042 | 212 | 930.901 | 143 | 940.105 | 133 |
| 224.4005 125 930.045 141 930.902 214 940.140 209 224.4006 125 930.046 212 930.033 143 940.141 208 924.5000 127 930.049 139 930.903 214 940.142 209 924.5001 127 930.050 139 930.905 143 940.143 209 924.5002 127 930.051 211 930.905 143 940.168 209 924.6000 127 930.051 212 930.905 143 950.002 308 926.002 18 930.055 212 930.905 143 950.002 308 925.004 18 930.055 212 930.905 143 950.002 308 925.004 18 930.056 211 930.905 143 950.004 308 925.004 18 930.056 211 930.905 215 930.905 215 925.004 18 930.056 211 930.906 215 930.906 215 925.001 19 930.061 212 930.91 215 930.91 215 925.001 19 <td>924.4003</td> <td>125</td> <td>930.044</td> <td>141</td> <td>930.901</td> <td>214</td> <td>940.108</td> <td>65</td> | 924.4003 | 125 | 930.044 | 141 | 930.901 | 214 | 940.108 | 65 |
| 224.4006 125 930.045 212 930.040 143 940.141 208 224.4006 127 930.049 211 930.040 143 940.143 208 224.5001 127 930.050 211 930.060 214 940.143 208 224.5001 127 930.051 210 930.065 214 950.000 308 224.700 125 930.064 211 930.065 212 930.064 143 950.000 308 224.700 125 930.065 212 930.066 143 950.000 308 225.004 18 930.067 141 930.066 215 950.000 308 225.004 18 930.066 211 930.061 143 950.001 308 225.011 19 930.066 213 930.061 213 930.061 214 950.001 32 226.004 19 930.061 142 930.061 213 930.061 214 930.061 214 930.061 214 < | 924.4004 | 125 | 930.044 | 212 | 930.902 | 143 | 940.112 | 76 |
| 224.4009 124 930.049 139 930.903 214 940.142 208 224.5001 127 930.049 211 930.904 143 940.163 209 924.5002 127 930.050 111 930.050 2114 930.050 2114 940.163 209 924.5002 127 930.050 2114 930.050 2114 950.005 2124 930.051 140 930.050 2114 930.050 218 950.002 308 925.002 18 930.057 212 930.050 218 950.002 308 930.057 212 930.057 212 930.050 143 950.003 308 930.057 212 930.057 212 930.050 143 950.003 308 930.059 211 930.059 211 930.051 143 950.003 308 930.059 211 930.051 143 930.051 144 930.051 143 930.051 142 930.051 143 930.051 143 930.051 143 930.051 142 930.051 143 930.051 143 930.051 | 924.4005 | 125 | 930.045 | 141 | 930.902 | 214 | 940.140 | 209 |
| 224.5000 127 930.049 211 930.050 143 940.143 208 224.5001 127 930.050 139 930.050 143 940.167 209 224.5003 127 930.051 210 930.051 212 930.051 212 930.051 212 930.051 212 930.051 212 930.051 212 930.051 213 930.051 214 950.002 308 225.002 18 930.055 212 930.057 143 950.002 308 930.057 212 930.057 212 930.050 215 950.002 308 930.057 121 930.056 212 930.050 214 930.050 215 930.057 121 930.050 211 930.050 214 930.050 215 930.050 114 930.050 211 930.051 143 930.051 143 930.050 112 930.051 142 930.051 143 930.051 143 930.051 142 | 924.4006 | 125 | 930.045 | 212 | 930.903 | 143 | 940.141 | 208 |
| 924.5001 127 930.050 139 930.904 214 940.166 209 924.5003 127 930.051 140 930.905 214 930.050 201 924.6000 127 930.051 212 930.905 214 950.002 308 924.6000 127 930.054 211 930.906 143 950.002 308 925.0022 18 930.057 212 930.906 143 950.003 308 925.004 18 930.057 212 930.908 143 950.003 308 925.004 18 930.059 121 930.908 215 930.909 143 925.001 18 930.059 121 930.909 215 930.909 215 925.011 18 930.059 211 930.901 143 930.901 215 925.011 19 930.061 213 930.901 215 930.901 215 925.011 19 930.062 142 931.900 37 931.900 <td< td=""><td>924.4009</td><td>124</td><td>930.049</td><td>139</td><td>930.903</td><td>214</td><td>940.142</td><td>208</td></td<> | 924.4009 | 124 | 930.049 | 139 | 930.903 | 214 | 940.142 | 208 |
| 2825.002 127 930.050 211 930.051 140 930.905 143 924.600 127 930.051 212 930.051 212 930.906 143 925.002 18 930.055 212 930.055 212 930.907 143 930.057 212 930.907 143 930.058 211 930.907 143 930.059 211 930.907 143 930.059 211 930.907 143 930.059 211 930.909 143 930.059 211 930.909 143 930.059 211 930.909 143 930.050 121 930.909 143 930.050 211 930.909 143 930.051 142 930.910 143 930.051 142 930.911 143 930.052 143 930.911 143 925.001 | 924.5000 | 127 | 930.049 | 211 | 930.904 | 143 | 940.143 | 208 |
| 924.5003 127 930.051 140 930.905 214 950.000 308 924.6000 127 930.051 212 930.906 214 950.002 308 925.0022 18 930.055 212 930.906 215 950.003 308 925.0023 18 930.057 141 930.907 215 930.907 215 925.004 18 930.058 211 930.908 215 930.909 143 925.004 18 930.058 211 930.909 143 930.909 143 925.001 18 930.058 211 930.901 143 930.910 143 925.001 19 930.060 213 930.911 143 930.911 143 925.001 19 930.061 213 930.911 143 930.911 143 925.001 19 930.062 142 930.901 37 931.901 37 <td< td=""><td>924.5001</td><td>127</td><td>930.050</td><td>139</td><td>930.904</td><td>214</td><td>940.166</td><td>209</td></td<> | 924.5001 | 127 | 930.050 | 139 | 930.904 | 214 | 940.166 | 209 |
| 224,6000 127 930,051 212 930,906 143 950,003 308 926,0022 18 930,054 211 930,907 143 950,003 308 925,0023 18 930,057 212 930,906 215 950,004 308 925,0044 18 930,057 212 930,906 215 930,906 215 925,0044 18 930,057 212 930,909 215 930,909 215 925,004 18 930,059 139 930,909 215 930,910 143 925,004 18 930,059 139 930,909 215 930,910 215 925,001 19 930,060 213 930,911 215 930,911 215 925,001 19 930,062 142 931,900 37 931,900 37 925,001 19 930,063 213 940,041 132 940,041 132 928,000 39 930,065 142 940,044 158 940,044 154 | 924.5002 | 127 | 930.050 | 211 | 930.905 | 143 | 940.167 | 209 |
| 922,700 125 930.054 141 930.906 215 950.003 308 925,0023 18 930.055 212 930.907 215 930.909 143 925,004 18 930.057 141 930.908 143 950.004 308 925,004 18 930.057 211 930.909 215 930.909 143 925,004 18 930.059 139 930.909 143 925,004 18 930.059 139 930.909 215 925,004 19 930.050 142 930.910 215 925,001 19 930.061 142 930.911 143 925,001 19 930.061 213 930.911 143 925,001 19 930.061 213 930.911 215 930.061 142 930.911 215 930.911 215 925,001 19 930.062 213 931.900 37 926,003 39 930.062 213 940.024 65 930.016 139 930.065 213 940.024 132 930.016 139 930.065 142 940.024 | 924.5003 | 127 | 930.051 | 140 | 930.905 | 214 | 950.000 | 308 |
| 922.0022 18 930.054 211 930.907 143 950.004 308 925.0023 18 930.055 212 930.907 215 930.908 215 925.004 18 930.057 212 930.907 143 930.908 215 925.004 18 930.059 211 930.900 143 925.000 18 930.059 211 930.910 143 925.000 19 930.060 213 930.911 215 930.011 143 930.011 143 930.911 215 925.001 19 930.060 213 930.911 215 930.011 142 930.911 215 930.911 215 928.030 39 930.062 213 940.024 65 930.016 142 930.011 326 326 330 330 341 930.016 132 930.065 213 940.044 210 | 924.6000 | 127 | 930.051 | 212 | 930.906 | 143 | 950.002 | 308 |
| 222.0023 18 930.055 212 922.0024 18 930.057 141 930.057 212 930.908 143 925.0044 18 930.058 191 925.0047 18 930.059 139 925.004 18 930.059 139 925.001 18 930.050 142 930.050 142 930.910 143 925.010 18 930.060 142 930.25.01 19 930.060 213 930.061 142 930.911 143 925.001 19 930.061 213 930.062 142 930.911 143 932.600 39 930.062 213 930.063 142 931.001 37 932.605 39 930.063 213 930.064 142 940.041 132 930.065 142 940.041 132 930.064 142 940.044 134 930.021 140 930.065 <td< td=""><td>924.700</td><td>125</td><td>930.054</td><td>141</td><td>930.906</td><td>215</td><td>950.003</td><td>308</td></td<> | 924.700 | 125 | 930.054 | 141 | 930.906 | 215 | 950.003 | 308 |
| 922.0034 18 930.057 141 930.908 143 925.0044 18 930.057 212 930.908 215 925.0047 18 930.058 211 930.909 143 925.004 18 930.059 211 930.909 215 925.101 18 930.060 211 930.910 215 925.001 19 930.060 213 930.911 143 925.001 19 930.061 142 930.910 215 925.601 19 930.061 213 930.911 143 926.803 39 930.062 213 931.000 37 928.004 39 930.062 213 931.900 37 928.005 39 930.064 213 940.041 132 930.016 142 940.041 132 940.041 210 930.021 139 930.065 213 940.044 76 | 925.0022 | 18 | 930.054 | 211 | 930.907 | 143 | 950.004 | 308 |
| 922.004418930.057212930.908215925.004718930.058139930.909143925.10018930.059139930.909215925.10118930.059211930.910143925.50119930.060142930.910215925.60119930.061142930.911143925.60119930.061213930.911215926.00339930.0621142931.00137926.00439930.062213940.02466926.00439930.063142940.040132926.00539930.063213940.041132928.00539930.064213940.044158930.016139930.065142940.044158930.025140930.091140940.045134930.025140930.095141940.046134930.025140930.095141940.047119930.025140930.095141940.048132930.025140930.095141940.045134930.025140930.095141940.045134930.025140930.095141940.045134930.025140930.095141940.045134930.025140930.095141940.045132 <tr< td=""><td>925.0023</td><td>18</td><td>930.055</td><td>212</td><td>930.907</td><td>215</td><td></td><td></td></tr<> | 925.0023 | 18 | 930.055 | 212 | 930.907 | 215 | | |
| 922.004718930.058139930.909143925.004918930.058211930.909215925.10118930.059211930.910143925.50019930.060142930.911143925.50119930.060213930.911215925.60119930.061142930.911215925.60119930.061213931.00137925.60119930.062213931.00137926.00339930.062213931.00137928.00439930.062213940.02465928.00539930.063142940.02465928.00539930.063213940.041132930.017139930.065142940.04476930.017139930.065142940.044158930.023140930.091140940.045134930.024140930.092140940.046210930.025140930.095141940.047132930.024140930.095141940.047132930.025140930.095141940.045134930.025140930.095141940.045134930.025140930.095141940.045132930.025140930.095141940.045134 | 925.0034 | 18 | 930.057 | 141 | 930.908 | 143 | | |
| 322.004918930.058211930.909215325.10118930.059139930.910143325.00118930.059211930.910215325.00119930.060213930.911143325.00119930.060213930.911215325.00119930.061213930.911215325.00119930.061213930.911215326.00339930.062142931.00037328.00439930.062213931.00137328.00539930.063213940.041132328.00639930.064213940.041132330.017139930.065213940.041210330.018139930.065213940.04476330.017139930.065213940.044158330.018139930.091140940.045134330.019130141940.045134330.022139930.091140940.045134330.021140930.091141940.047119330.022139930.095141940.048132330.023141940.048132940.048132330.024140930.095141940.048132330.025140930.096141940.048132330.026< | 925.0044 | 18 | 930.057 | 212 | 930.908 | 215 | | |
| 9225.10018930.059139930.910143925.50118930.059211930.910215925.50119930.060213930.911215925.50119930.061142930.911215925.50119930.061213931.00037925.50119930.062213931.00137925.60119930.062213940.02465928.00339930.063213940.041132928.00639930.065213940.041132928.00639930.065142940.04476930.016139930.065213940.044158930.017139930.065213940.045134930.022140930.093141940.047119930.022139930.095141940.047119930.025140930.095141940.048132930.025140930.095141940.048132930.025140930.095141940.048132930.025140930.095141940.048132930.025140930.095141940.048132930.025140930.095141940.048132930.025140930.095141940.048132930.025140930.095141940.048132< | 925.0047 | 18 | 930.058 | 139 | 930.909 | 143 | | |
| 9225.10018930.059139930.910143925.50118930.059211930.910215925.50119930.060213930.911215925.50119930.061142930.911215925.50119930.061213931.00037925.50119930.062213931.00137925.60119930.062213940.02465928.00339930.063213940.041132928.00639930.065213940.041132928.00639930.065142940.04476930.016139930.065213940.044158930.017139930.065213940.045134930.022140930.093141940.047119930.022139930.095141940.047119930.025140930.095141940.048132930.025140930.095141940.048132930.025140930.095141940.048132930.025140930.095141940.048132930.025140930.095141940.048132930.025140930.095141940.048132930.025140930.095141940.048132930.025140930.095141940.048132< | 925.0049 | 18 | 930.058 | 211 | 930.909 | 215 | | |
| 925.500 19 930.060 142 930.911 143 925.501 19 930.060 213 930.911 215 925.801 19 930.061 142 930.911 215 925.801 19 930.062 213 931.000 37 928.003 39 930.062 213 931.001 37 928.004 39 930.062 213 931.000 37 928.005 39 930.062 213 940.024 65 928.006 39 930.064 142 940.041 132 928.006 39 930.065 213 940.041 132 930.016 139 930.065 213 940.041 132 930.017 139 930.065 213 940.044 76 930.021 140 930.091 140 940.045 134 930.022 139 930.092 140 940.046 134 930.023 139 930.095 141 940.047 119 <td< td=""><td></td><td>18</td><td>930.059</td><td>139</td><td>930.910</td><td>143</td><td></td><td></td></td<> | | 18 | 930.059 | 139 | 930.910 | 143 | | |
| 925.501 19 930.060 213 930.011 215 925.800 19 930.061 142 931.000 37 925.801 39 930.062 142 931.000 37 928.003 39 930.062 142 931.000 37 928.004 39 930.062 213 931.000 37 928.005 39 930.062 213 940.024 65 928.006 39 930.063 213 940.040 132 928.006 39 930.064 142 940.041 132 928.006 39 930.065 213 940.044 76 930.017 139 930.065 213 940.044 158 930.021 140 930.091 140 940.045 134 930.022 139 930.093 141 940.046 134 930.023 139 930.094 141 940.047 119 930.024 140 930.095 141 940.048 119 | 925.101 | 18 | 930.059 | 211 | 930.910 | 215 | | |
| 925.80019930.061142931.00037925.80119930.061213931.00137928.00339930.062142931.90037928.00439930.062213940.02465928.00539930.063213940.041132928.00639930.064213940.041210930.016139930.065142940.04476930.016139930.065213940.044158930.021140930.091140940.045134930.022140930.092140940.046210930.023139930.095141940.047132930.024140930.095141940.048119930.025140930.095141940.048132930.026140930.095141940.047132930.027140930.095141940.048132930.028140930.097141940.048132930.028140930.095141940.048132930.026140930.095141940.048132930.026140930.095141940.048132930.027140930.096141940.048132930.028140930.095141940.048132930.028140930.095141940.048132 <tr< td=""><td>925.500</td><td>19</td><td>930.060</td><td>142</td><td>930.911</td><td>143</td><td></td><td></td></tr<> | 925.500 | 19 | 930.060 | 142 | 930.911 | 143 | | |
| 925.80119930.061213931.00137928.00339930.062142931.90037928.00439930.062213940.02465928.00539930.063142940.040132928.00639930.063213940.041210930.016139930.065142940.04476930.017139930.065142940.044158930.021140930.091140940.045134930.022140930.092140940.046210930.023139930.095141940.047119930.025140930.095141940.048119930.025140930.096141940.048132930.025140930.097141940.048132930.025140930.096141940.047132930.025140930.096141940.048132930.025140930.097141940.048132930.026140930.096141940.048132930.027140930.098140940.052132930.028140940.052132940.045134930.028140940.052132940.052132930.026140930.099140940.052132930.026140930.099140940.052132< | 925.501 | 19 | 930.060 | 213 | 930.911 | 215 | | |
| 928.00339930.062142931.90037928.00439930.062213940.02465928.00539930.063142940.040132928.00639930.063213940.041132928.00639930.064142940.041210930.016139930.065142940.044158930.017139930.065213940.044158930.020140930.090140940.045134930.021140930.091140940.046134930.022139930.093141940.047119930.023139930.094141940.047132930.025140930.096141940.048132930.025140930.097141940.048132930.026140930.097141940.048132930.027140930.098140940.045134930.028140930.098140940.048132930.028140930.098140940.048132930.028140930.098140940.048132930.028140930.098140940.048132930.028140930.098140940.048132930.028140930.098140940.048132930.028140930.098140940.052132 <td>925.800</td> <td>19</td> <td>930.061</td> <td>142</td> <td>931.000</td> <td>37</td> <td></td> <td></td> | 925.800 | 19 | 930.061 | 142 | 931.000 | 37 | | |
| 928.00439930.062213940.02465928.00539930.063142940.040132928.00639930.063213940.041132928.90039930.064142940.041210930.016139930.065142940.04476930.017139930.065213940.044158930.018139930.095140940.046134930.021140930.091140940.046134930.022139930.092140940.047119930.023139930.095141940.047132930.025140930.096141940.048119930.025140930.097141940.049134930.026140930.098140940.052132930.027140930.098140940.052132930.028140930.099140940.052132930.028140930.098140940.052132930.028140930.098140940.052132930.028140930.093140940.052132930.028140930.093140940.052132930.028140930.093140940.052132930.028140940.052132940.052210 | 925.801 | 19 | 930.061 | 213 | 931.001 | 37 | | |
| 928.00539930.063142940.040132928.00639930.063213940.041132928.90039930.064142940.041132930.016139930.064213940.041210930.017139930.065213940.04476930.018139930.065213940.044158930.020140930.090140940.045134930.021140930.092140940.046210930.022139930.092140940.046210930.023139930.093141940.047119930.025140930.095141940.048119930.025140930.096141940.048132930.026140930.097141940.049134930.027140930.098140940.052132930.028140930.099140940.052210 | 928.003 | 39 | 930.062 | 142 | 931.900 | 37 | | |
| 928.00639930.063213940.041132928.00039930.064142940.041210930.016139930.065142940.044158930.017139930.065213940.044210930.018139930.065213940.044210930.020140930.090140940.045134930.021140930.092140940.046210930.022139930.092140940.046210930.023139930.093141940.047119930.025140930.095141940.048119930.025140930.097141940.049134930.026140930.098140940.052132930.027140930.098140940.052210 | 928.004 | 39 | 930.062 | 213 | 940.024 | 65 | | |
| 928.00639930.063213940.041132928.90039930.064142940.041210930.016139930.065142940.04476930.017139930.065142940.044158930.018139930.065213940.044210930.020140930.090140940.045134930.021140930.092140940.046210930.022139930.092140940.047119930.023139930.095141940.047132930.025140930.097141940.048119930.025140930.097141940.049134930.026140930.098140940.052132930.027140930.099140940.052210 | 928.005 | | 930.063 | | 940.040 | 132 | | |
| 930.016139930.064213940.04476930.017139930.065142940.044158930.018139930.065213940.044210930.020140930.090140940.045134930.021140930.092140940.046210930.022139930.093141940.046210930.023139930.094141940.047119930.024140930.095141940.048132930.025140930.097141940.049134930.026140930.098140940.052132930.028140930.099140940.052210 | 928.006 | 39 | 930.063 | 213 | 940.041 | 132 | | |
| 930.016139930.064213940.04476930.017139930.065142940.044158930.018139930.065213940.044210930.020140930.090140940.045134930.021140930.092140940.046210930.022139930.093141940.046210930.023139930.094141940.047119930.024140930.095141940.048132930.025140930.097141940.049134930.026140930.098140940.052132930.028140930.099140940.052210 | | | 930.064 | | | | | |
| 330.018 139 930.065 213 940.044 210 930.019 139 930.090 140 940.045 134 930.020 140 930.091 140 940.046 134 930.021 140 930.092 140 940.046 210 930.022 139 930.092 140 940.046 210 930.023 139 930.093 141 940.047 119 930.024 140 930.095 141 940.048 119 930.025 140 930.097 141 940.048 132 930.026 140 930.097 141 940.049 134 930.027 140 930.098 140 940.052 132 930.028 140 930.099 140 940.052 132 | 930.016 | 139 | 930.064 | 213 | 940.044 | 76 | | |
| 930.018139930.065213940.044210930.019139930.090140940.045134930.020140930.091140940.046134930.021140930.092140940.046210930.022139930.093141940.047119930.023139930.095141940.047132930.024140930.095141940.048119930.025140930.096141940.048132930.026140930.097141940.052132930.027140930.098140940.052132930.028140930.099140940.052210 | | | | | | | | |
| 930.019139930.090140940.045134930.020140930.091140940.046134930.021140930.092140940.046210930.022139930.093141940.047119930.023139930.094141940.047132930.024140930.096141940.048119930.025140930.096141940.048132930.026140930.098140940.049134930.028140930.099140940.052210 | | | | | | | | |
| 930.020 140 930.091 140 940.046 134 930.021 140 930.092 140 940.046 210 930.022 139 930.093 141 940.047 119 930.023 139 930.095 141 940.048 119 930.025 140 930.096 141 940.048 119 930.025 140 930.097 141 940.048 132 930.026 140 930.098 140 940.052 132 930.027 140 930.098 140 940.052 132 930.028 140 930.099 140 940.052 132 | | | | | | | | |
| 930.021 140 930.092 140 940.046 210 930.022 139 930.093 141 940.047 119 930.023 139 930.094 141 940.047 132 930.024 140 930.095 141 940.048 119 930.025 140 930.096 141 940.048 132 930.026 140 930.097 141 940.049 134 930.027 140 930.098 140 940.052 132 930.028 140 930.099 140 940.052 210 | | | | | | | | |
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| 930.026 140 930.097 141 940.049 134 930.027 140 930.098 140 940.052 132 930.028 140 930.099 140 940.052 210 | | | | | | | | |
| 930.027 140 930.098 140 940.052 132 930.028 140 930.099 140 940.052 210 | | | | | | | | |
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| | 930.028 | 140 | 930.100 | 140 | 940.052 | 132 | | |





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