

## HTN 75/230...240 I

HALOTRONIC-COMPACT – HTM, HTN | Electronic transformers for low-voltage halogen lamps



### Areas of application

- Effect and accent lighting
- Living rooms
- Object lighting
- Conference rooms
- Restaurants
- Recessed and surface-mounted furniture luminaires
- Shop lighting
- Event rooms

### Product family benefits

- Very low power loss thanks to high efficacy
- Strain relief suitable for different cable types (HTM)
- Suitable for space-critical installation thanks to compact functional design
- Extremely compact transformer for highly space-critical installation conditions (HTN)
- Protective operation throughout the entire partial-load range for long lamp life

### Product family features

- Line frequency: 50...60 Hz
- RI suppression: to EN 55015 (A1: 2007)/CISPR 15, EN 55022
- Line harmonics according to EN 61000-3-2
- Immunity according to EN 61547
- Safety: to EN 61347
- Short-circuit protection, overload protection, overtemperature protection: electronically reversible
- Electrical isolation between the primary side and the secondary side
- Energy efficiency:  $\geq 91\%$  (according to ErP regulation 2012/1194/EC)
- Dimmable on the leading edge (without HTN) and trailing edge

## Technical data

### Electrical data

Lamp wattage	20...75 W
Line current	0.32 A <sup>1)</sup>
Nominal voltage	230...240 V
Power factor $\lambda$	0.95 <sup>2)</sup>
Operating frequency	50 kHz <sup>3)</sup>
Nominal output voltage	11.5 / 11.7 V <sup>4)</sup>
Input voltage AC	207...254 V
Mains frequency	50...60 Hz
System wattage	79.00 W
Input voltage range	230...240 V
Max. ECG no. on circuit breaker 10 A (B)	37
Max. ECG no. on circuit breaker 16 A (B)	59
ECG efficiency	95 % <sup>5)</sup>
Galvanic isolation primary/secondary	4.00 kV <sup>6)</sup>
Inrush current	0.37 A <sup>7)</sup>

1) Effectively

2) Minimum

3) Approximately

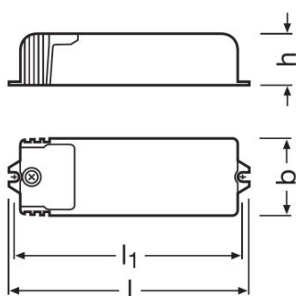
4) 75 W / 20 W

5) At full load

6) eff

7) Maximum

### Dimensions & weight



Length	104.0 mm
Width	33.0 mm
Mounting hole spacing, length	98.0 mm

## Product datasheet

Height	22.0 mm
Mounting hole spacing, width	-
Cable cross-section, input side	1.5 mm <sup>2</sup>
Cable cross-section, output side	1.5 mm <sup>2</sup>
Wire preparation length, input side	10 / 6.0 mm <sup>1)</sup>
Wire preparation length, output side	10 / 6.0 mm <sup>1)</sup>
Product weight	68.00 g

<sup>1)</sup> Cable sheath / Wire

### Temperatures & operating conditions

Ambient temperature range	0...+50 °C
Maximum temperature at tc test point	85 °C

### Additional product data

Design / version	Very small with cable clamp
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### Capabilities

Dimming method	Trailing-edge phase control
Overload protection	Automatic reversible
Overheating protection	Automatic reversible
Short-circuit protection	Automatic reversible
Max. cable length to lamp/LED module	2.0 m
Cable/wire types, input side	NYM 3x1.5 / H05VV-F 2x0.75 / H03VV-F 2x0.75 / H03VVH2-F 2x0.75 mm <sup>2</sup>
Cable/wire types, output side	NYM 3x1.5 / H05VV-F 2x0.75 / H03VV-F 2x0.75 mm <sup>2</sup>
Dimmable	Yes
Dimming range	0...100 %
No-load proof	Yes
Suitable for fixtures with prot. class	II

### Certificates & standards
















Approval marks – approval	VDE / VDE-EMC / E1 approval / EAC
Standards	Acc. to EN 61347/Acc. to EN 55015/Acc. to EN 61000-3-2/Acc. to EN 61547/Acc. to EN 61047
Type of protection	IP20

### Logistical data

Commodity code	850440909000
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[Download Data](#)

## Product datasheet

File	
	Addon Technical Information 321701_ATI HTN 75230-240 I (GB)
	Brochures 335574_HALOTRONIC NANO &#150; HTN
	Certificates 334962_EMC-Marks approval
	Certificates 334964_ENEC-Marks approval
	Certificates 504178_EAC HT family
	Certificates VDE ENEC Certificate 40024665
	Certificates 504186_VDE-EMC-Certificate HTM_HTN
	Declarations of conformity 710835_EC-DOC Halotronic
	Installation/Operation notice 334136_Technical guide - HALOTRONIC for low-voltage halogen lamps
	Installation/Operation notice 334738_HALOTRONIC &#150; Manual
	Operating instructions 590733_EAC - HTL HTM HTN
	CAD data 3-dim 313425_98(104)x33x22 9900005
	CAD data 3-dim 313427_98(104)x33x22 9900005
	CAD data 3-dim 313504_98(104)x33x22 9900005
	CAD data PDF 313417_98(104)x33x22 9900005

### Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321073037	HTN 75/230...240 I	Shipping carton box 20	235 mm x 75 mm x 179 mm	3.15 dm <sup>3</sup>	1692.00 g

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

## Product datasheet

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### Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.