

## PRODUCT FAMILY DATASHEET 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

Product description	Lamp wattage	Line current	Operating frequency	Nominal voltage	Nominal output voltage
HTM 70/230...240	20...70 W	0.27 A <sup>1)</sup>	52 kHz <sup>2)</sup>	230...240 V	11.2 / 11.2 V <sup>3)</sup>
HTN 75/230...240 I	20...75 W	0.32 A <sup>1)</sup>	50 kHz <sup>2)</sup>	230...240 V	11.5 / 11.7 V <sup>4)</sup>
HTM 105/230...240	35...105 W	0.41 A <sup>1)</sup>	43 kHz <sup>2)</sup>	230...240 V	11.3 / 11.4 V <sup>5)</sup>
HTM 150/230...240	50...150 W	0.57 A <sup>1)</sup>	40 kHz <sup>2)</sup>	230...240 V	11.4 / 11.5 V <sup>6)</sup>

<sup>1)</sup> Effectively

<sup>2)</sup> Approximately

<sup>3)</sup> 70 W

<sup>4)</sup> 75 W

<sup>5)</sup> 105 W

<sup>6)</sup> 150 W

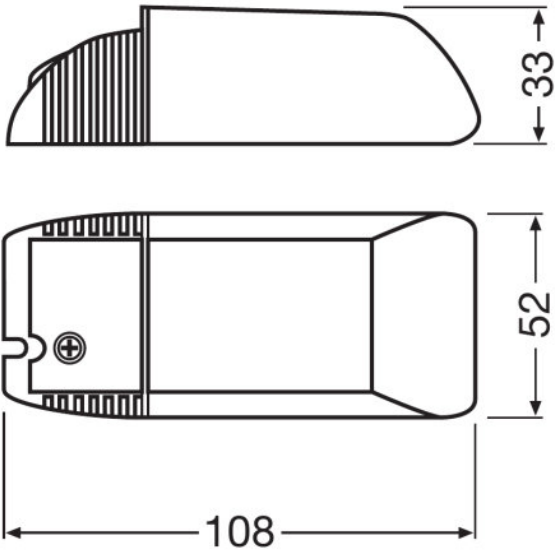
## Dimensions &amp; weight

Product description	Length	Width	Mounting hole spacing, length	Height	Mounting hole spacing, width	Cable cross-section, input side
HTM 70/230...240	108.0 mm	52.0 mm	- mm	33.0 mm	- mm	2.5 mm <sup>2</sup>
HTN 75/230...240 I	104.0 mm	33.0 mm	98.0 mm	22.0 mm	- mm	1.5 mm <sup>2</sup>
HTM 105/230...240	108.0 mm	52.0 mm	- mm	33.0 mm	- mm	2.5 mm <sup>2</sup>
HTM 150/230...240	153.0 mm	54.0 mm	146.0 mm	36.0 mm	15.0 mm	1.5 mm <sup>2</sup>

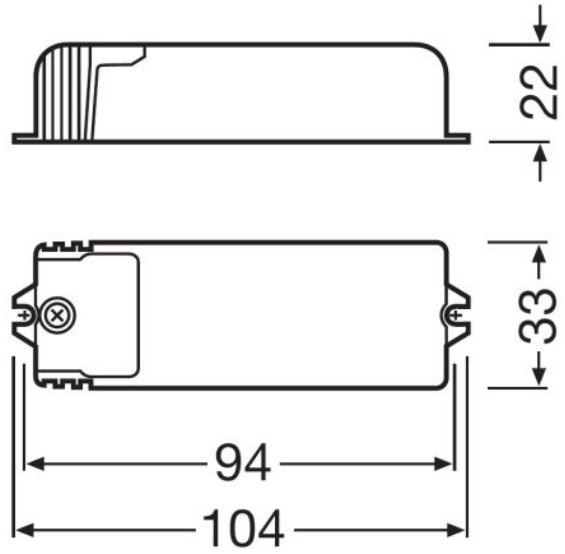
Product description	Cable cross-section, output side	Wire preparation length, input side	Wire preparation length, output side	Product weight
HTM 70/230...240	2.5 mm <sup>2</sup>	12 / 7.0 mm <sup>1)</sup>	12 / 7.0 mm <sup>1)</sup>	110.00 g
HTN 75/230...240 I	1.5 mm <sup>2</sup>	10 / 6.0 mm <sup>1)</sup>	10 / 6.0 mm <sup>1)</sup>	68.00 g
HTM 105/230...240	2.5 mm <sup>2</sup>	12 / 7.0 mm <sup>1)</sup>	12 / 7.0 mm <sup>1)</sup>	125.00 g
HTM 150/230...240	2.5 mm <sup>2</sup>	12 / 8.0 mm <sup>1)</sup>	12 / 8.0 mm <sup>1)</sup>	185.00 g

<sup>1)</sup> Cable sheath

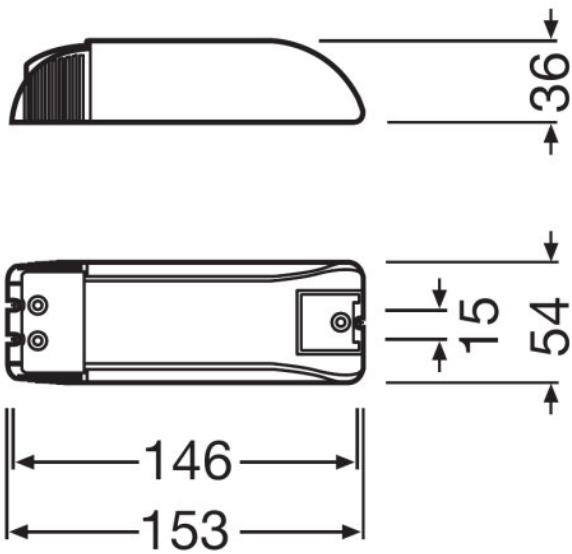
Product line drawing



HTM 70/230...240, HTM 105/230...240



HTN 75/230...240 I



HTM 150/230...240

## Temperatures & operating conditions

Product description	Ambient temperature range
HTM 70/230...240	0...+50 °C
HTN 75/230...240 I	0...+50 °C
HTM 105/230...240	0...+45 °C
HTM 150/230...240	0...+45 °C

## Additional product data

Product description	Design / version
HTM 70/230...240	Compact with cable clamp
HTN 75/230...240 I	Very small with cable clamp
HTM 105/230...240	Compact with cable clamp
HTM 150/230...240	Compact with cable clamp

## Capabilities

Product description	Dimming method
HTM 70/230...240	Trailing- or leading-edge phase control for inductive load dimmers
HTN 75/230...240 I	Trailing-edge phase control
HTM 105/230...240	Trailing- or leading-edge phase control for inductive load dimmers
HTM 150/230...240	Trailing- or leading-edge phase control for inductive load dimmers

## Certificates & standards

Product description	Approval marks – approval
HTM 70/230...240	VDE / VDE-EMC / E1 approval / EAC
HTN 75/230...240 I	VDE / VDE-EMC / E1 approval / EAC
HTM 105/230...240	VDE / VDE-EMC / E1 approval / EAC
HTM 150/230...240	VDE / VDE-EMC / E1 approval / EAC

Product description	Standards	Type of protection
HTM 70/230...240	Acc. to EN 61347/Acc. to EN 55015/Acc. to EN 61000-3-2/Acc. to EN 61547/Acc. to EN 61047	IP20
HTN 75/230...240 I	Acc. to EN 61347/Acc. to EN 55015/Acc. to EN 61000-3-2/Acc. to EN 61547/Acc. to EN 61047	IP20
HTM 105/230...240	Acc. to EN 61347/Acc. to EN 55015/Acc. to EN 61000-3-2/Acc. to EN 61547/Acc. to EN 61047	IP20

Product description	Standards	Type of protection
HTM 150/230...240	Acc. to EN 61347/Acc. to EN 55015/Acc. to EN 61000-3-2/Acc. to EN 61547/Acc. to EN 61047	IP20

## APPLICATION ADVICE

For more detailed application information and graphics please see product datasheet.












## SALES AND TECHNICAL SUPPORT














Sales and Technical Support [www.ledvance.com](http://www.ledvance.com)

## COUNTRY SPECIFIC INFORMATION

Product description	Product code	METEL code	SEG number	STK number	UK Org
HTM 70/230...240	4050300442310	OSRHTM70	5280327	4031017	-
HTN 75/230...240 I	4008321073037	OSRHTN75I	5280325	4030201	-
HTM 105/230...240	4050300442334	OSRHTM105	5280330	4031020	-
HTM 150/230...240	4050300581415	OSRHTM150	5280333	4031030	-

## DOWNLOAD DATA

File	
	Brochures 335576_HALOTRONIC MOUSE &#150; HTM
	Certificates 504178_EAC HT family
	Certificates 334962_EMC-Marks approval
	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 313437_108x52x33 9900021
	CAD data 3-dim 313457_108x52x33 9900021

	CAD data 3-dim 313479_108x52x33 9900021
	CAD data PDF 313411_108x52x33 9900021
	Addon Technical Information 321701_ATI HTN 75230-240 I (GB)
	Brochures 335574_HALOTRONIC NANO &#150; HTN
	Certificates 334964_ENEC-Marks approval
	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
	Product Datasheet 321697_ATI - HTM 105230-240 (G+GB)
	Addon Technical Information 321703_ATI HTM 150230-240 (GB)
	CAD data 3-dim 320673_HTM 150
	CAD data 3-dim 320679_HTM 150

**LOGISTICAL DATA**

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4050300442327	Shipping carton box 20	270 mm x 94 mm x 229 mm	2436.00 g	5.81 dm <sup>3</sup>
4008321073044	Shipping carton box 20	235 mm x 75 mm x 179 mm	1692.00 g	3.15 dm <sup>3</sup>
4050300442341	Shipping carton box 20	270 mm x 94 mm x 229 mm	2736.00 g	5.81 dm <sup>3</sup>
4050300581422	Shipping carton box 10	276 mm x 98 mm x 166 mm	2046.50 g	4.49 dm <sup>3</sup>

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.

**DISCLAIMER**

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