

## HTM 70/230...240

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 benefits

- Dimmable on the leading edge (without HTN) and trailing edge
- 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 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
- Switching between electronic transformer and lamp not permitted
- Energy efficiency:  $\geq 91\%$  (according to ErP regulation 2012/1194/EC)

Technical data

Electrical data

Lamp wattage	20...70 W
Line current	0.27 A <sup>1)</sup>
Power factor $\lambda$	0.99
Operating frequency	52 kHz <sup>2)</sup>
Nominal output voltage	11.2 / 11.2 V <sup>3)</sup>
Nominal voltage	230...240 V
Input voltage AC	207...264 V
Mains frequency	50...60 Hz
System wattage	74.00 W
Max. ECG no. on circuit breaker 10 A (B)	37
Max. ECG no. on circuit breaker 16 A (B)	59
ECG efficiency	95 % <sup>4)</sup>
Galvanic isolation primary/secondary	4.00 kV <sup>5)</sup>
Inrush current	0.3 A <sup>6)</sup>

1) Effectively

2) Approximately

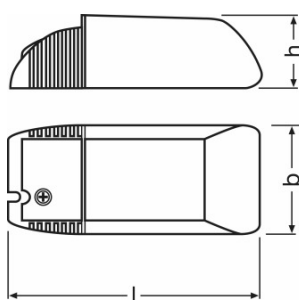
3) 70 W / 20 W

4) At full load

5) eff

6) Maximum

Dimensions & weight



Length	108.0 mm
Width	52.0 mm
Mounting hole spacing, length	-
Height	33.0 mm
Mounting hole spacing, width	-

## Product datasheet

Cable cross-section, input side	2.5 mm <sup>2</sup>
Cable cross-section, output side	2.5 mm <sup>2</sup>
Wire preparation length, input side	12 / 7.0 mm <sup>1)</sup>
Wire preparation length, output side	12 / 7.0 mm <sup>1)</sup>
Product weight	110.00 g

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

### Temperatures & operating conditions

Ambient temperature range	0...+50 °C
Maximum temperature at tc test point	80 °C

### Additional product data

Design / version	Compact with cable clamp
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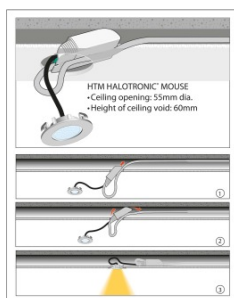
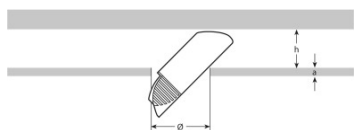
### Capabilities

Dimming method	Trailing- or leading-edge phase control for inductive load dimmers
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 3x0.75 / H05VV-F 3x1.0 / H05VV-F 3x1.5 / H05VV-F 2x0.75 / H05VV-F 2x1.5 / H05VVH2-F 2x0.75 / H05VVH2-F 2x1.5 mm <sup>2</sup>
Cable/wire types, output side	NYM 3x1.5 / H05VV-F 3x0.75 / H05VV-F 3x1.5 / H05VV-F 3x1.5 / H05VV-F 2x0.75 / H05VV-F 2x1.5 / H05VVH2-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















# Product datasheet



Product line drawing assembling

Others graphics

## Download Data

File	
	Brochures HALOTRONIC MOUSE HTM
	Certificates EMC-Marks approval
	Certificates ENEC-Marks approval HTi 105 DIM
	Certificates EAC HT family
	Certificates ENEC-Certificate HTL_HTM_HTN_HTi
	Certificates VDE-EMC-Certificate HTM_HTN
	Declarations of conformity Declaration of conformity HTI DALI 150 DIM
	Installation/Operation notice Technical guide - HALOTRONIC for low-voltage halogen lamps
	Installation/Operation notice HALOTRONIC Manual
	Operating instructions EAC - HTL HTM HTN
	CAD data 3-dim 108x52x33 9900021
	CAD data 3-dim 108x52x33 9900021
	CAD data 3-dim 108x52x33 9900021
	CAD data PDF 108x52x33 9900021

## Product datasheet

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### Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4050300442310	HTM 70/230...240	Shipping carton box 20	270 mm x 94 mm x 229 mm	5.81 dm <sup>3</sup>	2436.00 g

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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.

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### Disclaimer

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