

HTM 105/230...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 fixtures
- 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

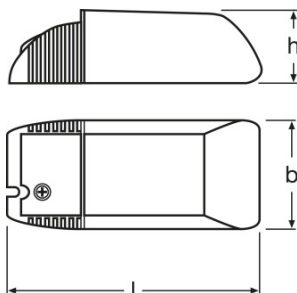
Lamp wattage	35...105 W
Line current	0.41 A ¹⁾
Nominal voltage	230...240 V
DC voltage	-
Power factor λ	0.99
Operating frequency	43 kHz ²⁾
Output voltage	11.3 / 11.4 V ³⁾
Mains frequency	50...60 Hz
System wattage	111.00 W
Galvanic isolation primary/secondary	4.00 kV
Maximum no-load wattage	0.41 W

¹⁾ Effectively

²⁾ Approximately

³⁾ 105 W / 35 W

Dimensions & weight



Product line drawing

Length	108.0 mm
Width	52.0 mm
Mounting hole spacing, length	-
Height	33.0 mm
Mounting hole spacing, width	-
Cable cross-section, input side	2.5 mm ²
Cable cross-section, output side	2.5 mm ²

Product datasheet

Wire preparation length, input side	12 / 7.0 mm ¹⁾
Wire preparation length, output side	12 / 7.0 mm ¹⁾
Product weight	125.00 g

¹⁾ Cable sheath / Wire

Temperatures

Ambient temperature range	0...+45 °C
Maximum temperature at tc test point	85 °C

Additional product data

Design / version	Compact with cable clamp
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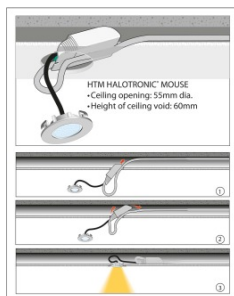
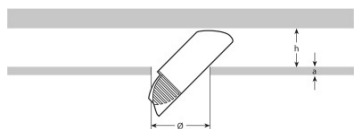
Capabilities

Dimmer	Trailing- or leading-edge phase control for inductive load dimmers
Overload protection	Automatic reversible
Overheating protection	Automatic reversible
Short-circuit protection	Automatic reversible
Maximum wiring length ECG/lamp	2.0 m
Cable types, input side	NYM 3x1.5 / H05VV-F 3x0.75 / H05VV-F 3x1.0 / H05VV-F 3x1.5 / H05VV-F 2x0.75 / H05VV-F 2x1.0 / H05VV-F 2x1.5 / H05VVH2-F 2x0.75 / H05VVH2-F 2x1.5 mm ²
Cable 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 ²
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
Standards	acc. to EN 55015:2006 + A1:2007/acc. to EN 61000-3-2/acc. to EN 61547/acc. to EN 61047/acc. to IEC 61347















Product datasheet



Product line drawing assembling

Others graphics

Download Data

File	
	Brochures HALOTRONIC NANO HTN
	Brochures HALOTRONIC MOUSE HTM
	Certificates EMC-Marks approval
	Certificates ENEC-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
	CAD data 3-dim 108x52x33 9900021
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Product datasheet



CAD data PDF
108x52x33 9900021

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (height x width x length)	Volume	Gross weight
4050300442334	HTM 105/230...240	Shipping carton box 20	229 mm x 94 mm x 270 mm	5.81 dm ³	2736.00 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.

Disclaimer

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