

PRODUCT DATASHEET

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 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...70 W
Line current	0.27 A ¹⁾
Power factor λ	0.99
Operating frequency	52 kHz ²⁾
Nominal output voltage	11.2 / 11.2 V ³⁾
Nominal voltage	230...240 V
Input voltage AC	207...264 V
Mains frequency	50...60 Hz
System wattage [AGGR]	74.00 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 % ⁴⁾
Galvanic isolation primary/secondary	4.00 kV ⁵⁾
Inrush current	0.3 A ⁶⁾

¹⁾ Effectively

²⁾ Approximately

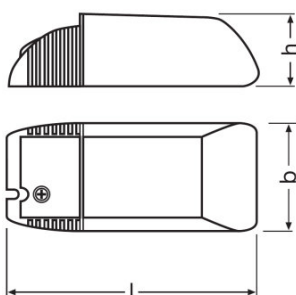
³⁾ 70 W / 20 W

⁴⁾ At full load

⁵⁾ eff

⁶⁾ Maximum

Dimensions & weight



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

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

¹⁾ Cable sheath / Wire

Temperatures & operating conditions

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

Additional product data

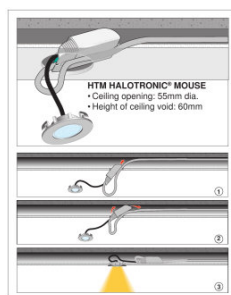
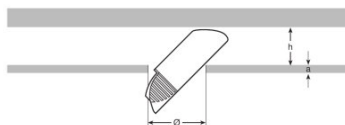
Design / version	Compact with cable clamp
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Capabilities

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 ²
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 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 / 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 line drawing assembling

Others graphics

DOWNLOAD DATA

File	
	Brochures 335576_HALOTRONIC MOUSE – HTM
	Certificates 504178_EAC HT family
	Certificates 334962_EMC-Marks approval
	Certificates VDE ENEC Certificate 40024665
	Certificates HALOTRONIC EMC 134590 080720
	Declarations of conformity 710835_EC-DOC Halotronic
	Declarations of conformity HALTORONIC CE 3674444 210120
	Installation/Operation notice 334136_Technical guide - HALOTRONIC for low-voltage halogen lamps
	Installation/Operation notice 334738_HALOTRONIC – 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

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4050300442310	Unpacked 1	- x - x -	110.00 g	
4050300442327	Shipping carton box 20	270 mm x 94 mm x 229 mm	2436.00 g	5.81 dm ³

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.