

## PRODUCT DATASHEET

### 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 luminaires
- Shop lighting
- Event rooms

#### Product 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 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
- Dimmable on the leading edge (without HTN) and trailing edge

## TECHNICAL DATA

### Electrical data

Nominal wattage	111.00 W
Nominal voltage	230...240 V
Nominal output voltage	11.3 V / 11.4 V <sup>1)</sup>
Input voltage range	230...240 V
Input voltage AC	207...264 V
Inrush current	1 A <sup>2)</sup>
Mains frequency	50/60 Hz <sup>3)</sup>
Power factor $\lambda$	0.99
ECG efficiency	95 % <sup>4)</sup>
Device power loss	6 W <sup>2)</sup>
Max. ECG no. on circuit breaker 10 A (B)	23
Max. ECG no. on circuit breaker 16 A (B)	38
Operating frequency	43 kHz

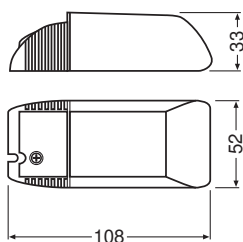
1) 105 W / 35 W

2) Maximum

3) Approximately

4) At full load

### Dimensions & Weight



Length	108.00 mm
Width	52.00 mm
Height	33.00 mm
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 mm / 7 mm <sup>1)</sup>
Wire preparation length, output side	12 mm / 7 mm <sup>1)</sup>
Product weight	125.00 g

1) Cable sheath / Wire

**Colors & materials**

Product color	Grey
Casing material	Plastic
Body material	Plastic

**Temperatures & operating conditions**

Ambient temperature range	0...+45 °C
Maximum temperature at tc test point	85 °C
Max.housing temperature in case of fault	110 °C
Permitted rel. humidity during operation	5...85 % <sup>1)</sup>

1) Maximum 56 days/year at 85 %

**Additional product data**

Encapsulated	No
--------------	----

**Capabilities**

Dimmable	Yes
Dimming range	0...100 %
Overheating protection	Automatic reversible
Overload protection	Automatic reversible
No-load proof	Yes
Short-circuit protection	Automatic reversible
Max. cable length to lamp/LED module	2,0 m
Suitable for fixtures with prot. class	II
Type of connection, output side	Screw terminal











**Certificates & Standards**


Approval marks – approval	VDE / VDE-EMC / E1 approval / EAC
Standards	Acc. to DIN VDE 0875/CISPR 15/EN 55015 / Acc. to EN 61547/EN 61047 / Acc. to IEC 61000-3-2/EN 61000-3-2 / Acc. to IEC 61347 / Acc. to EN 61000-3-2 / Acc. to EN 61547 / Acc. to EN 61047 / Acc. to EN 61347 / Acc. to EN 55015
Protection class	II
Type of protection	IP20

**LOGISTICAL DATA**

Temperature range at storage	-40...+85 °C
------------------------------	--------------

**DOWNLOAD DATA**

Documents and certificates		Document name
	User Instruction / Safety Instructions	334136_Technical guide - HALOTRONIC for low-voltage halogen lamps
	User Instruction / Safety Instructions	334738_HALOTRONIC – Manual
	User Instruction / Safety Instructions	590733_EAC - HTL / HTM / HTN
	Declarations of conformity	HALTORONIC CE 3674444 210120
	Declarations of conformity	710835_EC-DOC Halotronic
	Certificates	334962_EMC-Marks approval
	Certificates	334964_ENEC-Marks approval
	Certificates	504178_EAC HT family
	Certificates	HALOTRONIC EMC 134590 080720
	Certificates	VDE ENEC Certificate 40024665

CAD/BIM files		Document name
	CAD data 3D PDF	313411_108x52x33 9900021

**LOGISTICAL DATA**

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4050300442334	Unpacked 1		125.00 g	
4050300442341	Shipping box 20	270 mm x 94 mm x 229 mm	2736.00 g	5.81 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.