

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 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	74.00 W
Nominal voltage	230240 V
Nominal output voltage	11.2 V ¹⁾
Input voltage range	230240 V
Input voltage AC	207264 V
Inrush current	0.3 A ²⁾
Mains frequency	50/60 Hz ³⁾
Power factor λ	0.99
ECG efficiency	95 % ⁴⁾
Device power loss	4 W ²)
Max. ECG no. on circuit breaker 10 A (B)	37
Max. ECG no. on circuit breaker 16 A (B)	59
Operating frequency	52 kHz

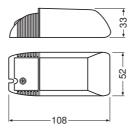
1) _{70 W / 20 W}

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 ²
Cable cross-section, output side	2.5 mm ²
Wire preparation length, input side	12 mm / 7 mm ¹⁾
Wire preparation length, output side	12 mm / 7 mm ¹⁾
Product weight	110.00 g

1) Cable sheath / Wire

Colors & materials

Product color	Grey
Casing material	Plastic
Body material	Plastic

Temperatures & operating conditions

Ambient temperature range	0+50 °C
Maximum temperature at tc test point	2° 08
Max.housing temperature in case of fault	110 °C
Permitted rel. humidity during operation	585 % ¹⁾

1) Maximum 56 days/year at 85 %

Additional product data

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

Capabilities

Dimmable	Yes	
Dimming range	0100 %	
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
Temperature range at storage	-0

DOWNLOAD DATA

	Documents and certificates	Document name	
PDF	User instruction / safety instructions	334738_HALOTRONIC – Manual	
PDF	User instruction / safety instructions	334136_Technical guide - HALOTRONIC for low-voltage halogen lamps	
PDF	User instruction / safety instructions	590733_EAC - HTL / HTM / HTN	
PDF	Declarations of conformity	710835_EC-DOC Halotronic	
PDF	Declarations of conformity	HALTORONIC CE 3674444 210120	
PDF	Certificates	504178_EAC HT family	
PDF	Certificates	VDE ENEC Certificate 40024665	
PDF	Certificates	HALOTRONIC EMC 134590 080720	
PDF	Certificates	334962_EMC-Marks approval	
	CAD/BIM files	Document name	
PDF	CAD data 3D PDF	313411_108x52x33 9900021	

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4050300442310	Unpacked 1		110.00 g	
4050300442327	Shipping 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.