

# 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

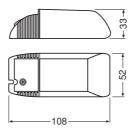
### **TECHNICAL DATA**

### Electrical data

Nominal wattage	74.00 W
Nominal voltage	230240 V
Nominal output voltage	11.2 V <sup>1)</sup>
Input voltage range	230240 V
Input voltage AC	207264 V
Inrush current	0.3 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	4 W <sup>2)</sup>
Max. ECG no. on circuit breaker 10 A (B)	37
Max. ECG no. on circuit breaker 16 A (B)	59
Operating frequency	52 kHz

<sup>1)</sup> 70 W / 20 W

# 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	110.00 g

<sup>2) &</sup>lt;sub>Maximum</sub>

<sup>3)</sup> Approximately

<sup>4)</sup> At full load

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	80 °C
Max.housing temperature in case of fault	110 °C
Permitted rel. humidity during operation	585 % <sup>1)</sup>

<sup>1)</sup> Maximum 56 days/year at 85 %

#### Additional product data

## **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	- 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 II	
Type of protection	IP20	

#### **LOGISTICAL DATA**

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## DOWNLOAD DATA

	Documents and certificates
PDF	User instruction
PDF	Declarations Of Conformity CE
POF	Certificates
	CAD/BIM files
PDF	CAD data 3D PDF

#### **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 dm³

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.