

## PRODUCT DATASHEET HTL 225/230...240

HALOTRONIC®-PROFESSIONAL HTL | 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
- Through-wiring possible on the primary side
- Large temperature range
- Protective operation throughout the entire partial-load range for long lamp life
- High efficiency

### 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 and trailing edge

## TECHNICAL DATA

### Electrical data

Nominal wattage	230.00 W
Nominal voltage	230...240 V
Nominal output voltage	11.6 V / 11.7 V <sup>1)</sup>
Input voltage range	230...240 V
Input voltage AC	207...264 V
Input voltage DC	176...275 V
Inrush current	1.5 A <sup>2)</sup>
Mains frequency	50/60 Hz <sup>3)</sup>
Power factor $\lambda$	0.95 <sup>4)</sup>
ECG efficiency	95 % <sup>5)</sup>
Device power loss	9 W <sup>2)</sup>
Max. ECG no. on circuit breaker 10 A (B)	11
Max. ECG no. on circuit breaker 16 A (B)	18
Operating frequency	50 kHz

1) 225 W / 50 W

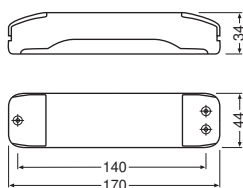
2) Maximum

3) Approximately

4) Minimum

5) At full load

### Dimensions & Weight



Length	170.00 mm
Mounting hole spacing, length	140,0 mm
Width	44.00 mm
Height	34.00 mm
Cable cross-section, input side	2.5 mm <sup>2</sup> <sup>1)</sup>
Cable cross-section, output side	4 mm <sup>2</sup> <sup>1)</sup>
Wire preparation length, input side	14 mm / 8.0 mm <sup>2)</sup>

Wire preparation length, output side	14 mm / 8.0 mm <sup>2)</sup>
Product weight	225.00 g

1) Maximum

2) Cable sheath / Wire

### Colors & materials

Product color	Grey
Casing material	Plastic
Body material	Plastic

### Temperatures & operating conditions

Ambient temperature range	-20...+50 °C
Maximum temperature at tc test point	80 °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
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### Capabilities

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

### Certificates & Standards

Approval marks – approval	ENEC 10 / VDE / VDE-EMC / EAC
Standards	Acc. to EN 61347 / Acc. to EN 55015 / Acc. to EN 61000-3-2 / Acc. to EN 61547 / Acc. to EN 61047
Protection class	II
Type of protection	IP20

### LOGISTICAL DATA

Temperature range at storage	-40...+85 °C
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**DOWNLOAD DATA**

**Documents and certificates**

	User instruction
	Declarations Of Conformity CE
	Certificates

**CAD/BIM files**

	CAD data 3D PDF
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**LOGISTICAL DATA**

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4008321927026	Unpacked 1		225.00 g	
4008321927040	Shipping box 10	182 mm x 89 mm x 230 mm	2361.00 g	3.73 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.