

# 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

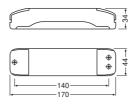
## TECHNICAL DATA

## Electrical data

Nominal wattage	230.00 W
Nominal voltage	230240 V
Nominal output voltage	11.6 V / 11.7 V <sup>1)</sup>
Input voltage range	230240 V
Input voltage AC	207264 V
Input voltage DC	176275 V
Inrush current	1.5 A <sup>2)</sup>
Mains frequency	50/60 Hz <sup>3)</sup>
Power factor $\lambda$	0.95 4)
ECG efficiency	95 % 5)
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

<sup>1) &</sup>lt;sub>225</sub> W / 50 W

# 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> 1)
Cable cross-section, output side	4 mm <sup>2</sup> 1)
Wire preparation length, input side	14 mm / 8.0 mm <sup>2)</sup>

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

<sup>3)</sup> Approximately

<sup>4)</sup> Minimum

<sup>5)</sup> At full load

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

<sup>1) &</sup>lt;sub>Maximum</sub>

#### 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	585 % <sup>1)</sup>

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

# Additional product data

Encapsulated	
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# Capabilities

Dimmable	Yes	
Dimming range	0100 %	
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	П	
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

<sup>2)</sup> Cable sheath / Wire

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

	Documents and certificates	Document name
PDF	User instruction / safety instruct	ions 334738_HALOTRONIC – Manual
PDF	User instruction / safety instruct	ions 334136_Technical guide - HALOTRONIC for low-voltage halogen lamps
PDF	User instruction / safety instruct	ions 590733_EAC - HTL / HTM / HTN
PDF	Declarations of conformity	710835_EC-DOC Halotronic
PDF	Certificates	504178_EAC HT family
PDF	Certificates	VDE EMC Dertificate 40024187
PDF	Certificates	334969_ENEC-Marks approval
PDF	Certificates	HALOTRONIC EMC 134590 080720
PDF	Certificates	VDE ENEC Certificate 40024665
	CAD/BIM files	Document name
PDF	CAD data 3D PDF	317451_HTL 105/230-240 and HTL 225/230-240 9900052

#### 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.