HTL 225/230...240

HALOTRONIC-PROFESSIONAL HTL | Electronic transformers for low-voltage halogen lamps



Product family 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

Product family 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

Areas of application

- Effect and accent lighting
- Living rooms
- Object lighting
- Conference rooms
- Restaurants
- Recessed and surface-mounted furniture luminaires
- Shop lighting
- Event rooms

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Technical data

Electrical data

Lamp wattage	50…225 W
Maximum output power	225 W
Line current	0.90 A [1)]
Input voltage DC	176…275 V
Nominal voltage	230…240 V
Power factor λ	0.95 [2)]
Operating frequency	50 kHz [3)]
Nominal output voltage	11.6 / 11.7 V [4)]
Input voltage AC	207…264 V
Mains frequency	50…60 Hz
System wattage	230.00 W
Efficiency in full-load	94 %
Input voltage range	230…240 V
Max. ECG no. on circuit breaker 10 A (B)	11
Max. ECG no. on circuit breaker 16 A (B)	18
Galvanic isolation primary/secondary	4.00 kV [5)]
Inrush current	1.5 A [6)]

1) Effectively

2) Minimum

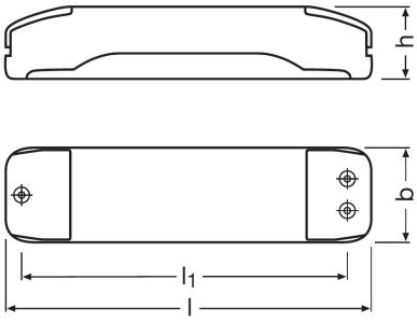
3) Approximately

4) 225 W / 50 W

5) eff

6) Maximum

Dimensions & weight



Length	170.0 mm
Width	44.0 mm

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Height	34.0 mm
Cable cross-section, input side	2.5 mm² [1]
Cable cross-section, output side	4.0 mm² [1]
Wire preparation length, input side	14 / 8.0 mm [2]
Wire preparation length, output side	14 / 8.0 mm [2]
Mounting hole spacing, length	140.0 mm
Product weight	225.00 g

[1] Maximum

[2] Cable sheath / Wire

Temperatures & operating conditions

Ambient temperature range	-20…+50 °C
Maximum temperature at tc test point	80 °C

Additional product data

Design / version	Long with cable clamp

Capabilities

Dimming method	Trailing- or leading-edge phase control for inductive load dimmers
Overload protection	Automatic switch off, reversible
Overheating protection	Automatic switch off, reversible
Short-circuit protection	Automatic switch-off, reversible
Max. cable length to lamp/LED module	2.0 m
Cable/wire types, input side	H03VV-F 2x0.50 / H03VV-F 2x0.75 / H03VVH2-F 2x0.75 / H05VVH2-F 2x0.75 / H05VV-F 2x2.5 / NYM-O 2x1.5 / NYM-J 3x1.5 mm²
Cable/wire types, output side	H03VV-F 2x0.75 / H05VVH2-F 2x0.75 / H05VV-F 2x1.5 / H05VV-F 2x2.5 / NYM-O 2x1.5 / NYM-J 3x1.5 / NYM-J 3x2.5 mm²
Dimmable	Yes
Dimming range	0…100 %
No-load proof	Yes
Suitable for fixtures with prot. class	II
Intended for no-load operation	No

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
Type of protection	IP20

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Logistical data

Commodity code	85044095900

Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)	
Date of Declaration	19-05-2023
Primary Article Identifier	4008321927026
Candidate List Substance 1	Lead
CAS No. of substance 1	7439-92-1
Safe Use Instruction	The identification of the Candidate List substance is sufficient to allow safe use of the article.
Declaration No. in SCIP database	990a7236-e5d3-4aac-ae15-373eb0cf86b7

Download Data

	File
	User instruction HALOTRONIC HTM HTN HTL
	User instruction HTLHTMHTN UI 080518
	Addon Technical Information 321707_ATI HTL 225 (GB)
	Certificates 334969_ENEC-Marks approval
	Certificates 504178_EAC HT family
	Certificates HTL HTM HTI DALI VDE ENEC 40024665 070923
	Certificates HALOTRONIC EMC 134590 280722
	Certificates VDE EMC Dertificate 40024187
	Declarations of conformity 710835_EC-DOC Halotronic
	Installation/Operation notice 334738_HALOTRONIC – Manual
	CAD data 3-dim 317452_HTL 105230-240 and HTL 225230-240 9900052
	CAD data 3-dim 317453_HTL 105230-240 and HTL 225230-240 9900052
	CAD data 3-dim 317454_HTL 105230-240 and HTL 225230-240 9900052

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	CAD data PDF 317451_HTL 105230-240 and HTL 225230-240 9900052

Ecodesign regulation information:

Separate control gear and light sources must be disposed of at certified disposal companies in accordance with Directive 2012/19/EU (WEEE) in the EU and with Waste Electrical and Electronic Equipment (WEEE) Regulations 2013 in the UK. For this purpose, collection points for recycling centres and take-back systems (CRSO) are available from retailers or private disposal companies, which accept separate control gear and light sources free of charge. In this way, raw materials are conserved and materials are recycled.

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321927026	HTL 225/230...240	Shipping carton box 10	235 mm x 183 mm x 89 mm	3.83 dm^3	2361.00 g

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.

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