OSRAM

PRODUCT DATASHEET
HTL 105/230…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

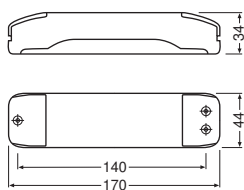|	
Nominal wattage	108.00 W
Nominal voltage	230…240 V
Nominal output voltage	11.6 V / 11.3 V [1]
Input voltage range	230…240 V
Input voltage AC	207…264 V
Input voltage DC	176…275 V
Inrush current	0.6 A [2]
Mains frequency	50/60 Hz [3]
Power factor λ	0.95 [4]
ECG efficiency	95 % [5]
Device power loss	6 W [2]
Max. ECG no. on circuit breaker 10 A (B)	23
Max. ECG no. on circuit breaker 16 A (B)	38
Operating frequency	40 kHz

[1] 105 W / 35 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 mm² [1]
Cable cross-section, output side	4 mm² [1]
Wire preparation length, input side	14 mm / 8.0 mm [2]

Wire preparation length, output side	14 mm / 8.0 mm [2]
Product weight	160.00 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 % [1]

[1] Maximum 56 days/year at 85 %

Additional product data

Encapsulated	No

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

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	334136_Technical guide - HALOTRONIC for low-voltage halogen lamps
PDF	User instruction / safety instructions	334738_HALOTRONIC – Manual
PDF	User instruction / safety instructions	590733_EAC - HTL / HTM / HTN
PDF	Declarations of conformity	710835_EC-DOC Halotronic
PDF	Certificates	504178_EAC HT family
PDF	Certificates	334969_ENEC-Marks approval
PDF	Certificates	HALOTRONIC EMC 134590 080720
PDF	Certificates	VDE EMC Dertificate 40024187
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
4008321927019	Unpacked 1	169 mm x 44 mm x 36 mm	160.00 g	0.27 dm^3
4008321927033	Shipping box 10	235 mm x 89 mm x 183 mm	1711.00 g	3.83 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.