

PRODUCT DATASHEET

HTI DALI 105/230...240 DIM

HALOTRONIC® HTi | Dimmable 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 ceiling luminaires
- Shop lighting
- Event rooms

Product benefits

- Very low power consumption thanks to high efficiency
- Through-wiring possible on the primary side
- Large temperature range
- Protective operation throughout the entire partial-load range for long lamp life

Product features

- DALI transformer for low voltage halogen lamps
- Electrical isolation between the primary side and the secondary side
- Short-circuit protection, overload protection, overtemperature protection: electronically reversible
- Device fits also for special applications where dimming below 1 % is required

TECHNICAL DATA

Electrical data

Nominal wattage	108.00 W
Nominal voltage	230...240 V
Nominal output voltage	11.6 V / 11.4 V ¹⁾
Input voltage range	230...240 V
Input voltage DC	176...275 V
Inrush current	0.6 A
Mains frequency	50/60 Hz ²⁾
Power factor λ	0.95 ³⁾
Device power loss	6 W ⁴⁾
Max. ECG no. on circuit breaker 10 A (B)	23
Max. ECG no. on circuit breaker 16 A (B)	38
Operating frequency	40 kHz

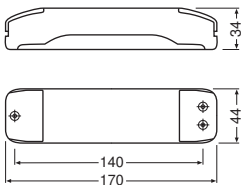
1) 105 W / 35 W

2) Approximately

3) Minimum

4) Maximum

Dimensions & Weight



Length	170.00 mm
Mounting hole spacing, length	140,0 mm
Width	44.00 mm
Height	34.00 mm
Wire preparation length, input side	8.0 mm
Wire preparation length, output side	8.0 mm
Product weight	160.00 g

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	75 °C
Max.housing temperature in case of fault	100 °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 interface	DALI / Touch DIM / Touch DIM Sensor
Dimming range	0.1...100 % ¹⁾
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
Type of connection, output side	Screw connection

¹⁾ With AC / 1...100% with DC

Certificates & Standards

Approval marks – approval	E1 approval / VDE / VDE-EMC
Standards	Acc. to EN 55015:2006 + A1:2007 / Acc. to EN 61000-3-2 / Acc. to EN 61547 / Acc. to EN 61347-2-2
Protection class	II
Type of protection	IP20

LOGISTICAL DATA

Temperature range at storage	-40...+85 °C
------------------------------	--------------

Energy labelling regulation data acc EU 2019/2015

Networked standby power for CLS	0.50 W
---------------------------------	--------

DOWNLOAD DATA

Documents and certificates		Document name
	User instruction / safety instructions	334136_Technical guide - HALOTRONIC for low-voltage halogen lamps
	User instruction / safety instructions	334563_HALOTRONIC INTELLIGENT – Manual
	Declarations of conformity	710835_EC-DOC Halotronic
	Certificates	VDE EMC Certificate 40024187
	Certificates	HALOTRONIC EMC 134590 080720
	Certificates	VDE ENEC Certificate 40024665
	Certificates	504178_EAC HT family
CAD/BIM files		Document name
	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
4008321420633	Unpacked 1		160.00 g	
4008321420640	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.