

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 FAMILY 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 FAMILY 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
- Energy efficiency: $\geq 91\%$ (according to ErP regulation 2012/1194/EC)
- Device fits also for special applications where dimming below 1 % is required

TECHNICAL DATA

Electrical data

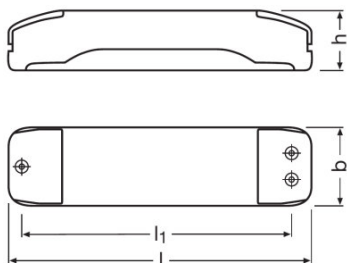
Lamp wattage	35...105 W
Line current	0.45 A
Input voltage DC	176...275 V
Power factor λ	0.95 ¹⁾
Operating frequency	40 kHz ²⁾
Nominal output voltage	11.6 / 11.4 V ³⁾
Nominal voltage	230...240 V
Mains frequency	50...60 Hz
System wattage [AGGR]	108.00 W
Input voltage range	230...240 V
Max. ECG no. on circuit breaker 10 A (B)	23
Max. ECG no. on circuit breaker 16 A (B)	38
Galvanic isolation primary/secondary	4.00 kV
Inrush current	0.6 A

¹⁾ Minimum

²⁾ Approximately

³⁾ 105 W / 35 W

Dimensions & weight



Length	170.0 mm
Width	44.0 mm
Height	34.0 mm
Wire preparation length, input side	8.0 mm
Wire preparation length, output side	8.0 mm
Mounting hole spacing, length	140.0 mm
Product weight	160.00 g

Temperatures & operating conditions

Ambient temperature range	-20...+50 °C
Maximum temperature at tc test point	75 °C

Additional product data

Design / version	Long with cable clamp
-------------------------	-----------------------

Capabilities







Dimming method	DALI or Touch DIM/Touch DIM Sensor
Dimming interface	Phase cut-off
Overload protection	Automatic reversible
Overheating protection	Automatic reversible
Short-circuit protection	Automatic 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 / H05VV5G 1.5 / NYM-O 2x1.5 / NYM-J 3x1.5 / NYM-J 5x1.5 mm ²
Cable/wire types, output side	H03VV-F 2x0.75 / H05VV-F 2x0.75 / H05VV-F 2x1.5 / H05VV-F 2x2.5 / NYM-J 3x1.5 / NYM-J 3x2.5 / NYM-O 2x1.5 mm ²
Dimmable	Yes
Dimming range	0.1...100 % ¹⁾
No-load proof	Yes






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
Type of protection	IP20

DOWNLOAD DATA

File	
	Product Datasheet 321473_ATI HTi DALI 105230-240 DIM (G+GB)
	Certificates 504178_EAC HT family
	Certificates VDE EMC Certificate 40024187
	Certificates VDE ENEC Certificate 40024665
	Declarations of conformity 710835_EC-DOC Halotronic
	Installation/Operation notice 334136_Technical guide - HALOTRONIC for low-voltage halogen lamps

	Installation guide 334563_HALOTRONIC INTELLIGENT – 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
	CAD data PDF 317451_HTL 105230-240 and HTL 225230-240 9900052

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4008321420633	Unpacked 1	- x - x -	160.00 g	
4008321420640	Shipping carton 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.