

HTI DALI 105/230...240 DIM

HALOTRONIC HTi | Dimmable electronic transformers for low-voltage halogen lamps



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
- Device fits also for special applications where dimming below 1 % is required

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

Areas of application

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

Technical data

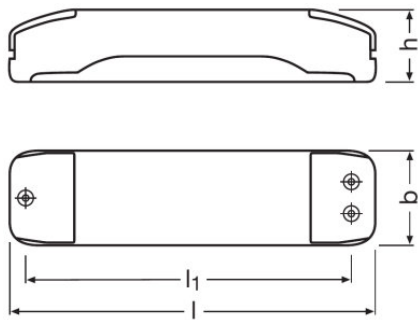
Electrical data

Lamp wattage	35...105 W
Maximum output power	105 W
Line current	0.45 A
Input voltage DC	176...275 V
Nominal voltage	230...240 V
Power factor λ	0.95 ¹⁾
Operating frequency	40 kHz ²⁾
Nominal output voltage	11.6 / 11.4 V
Mains frequency	50...60 Hz
System wattage	108.00 W
Efficiency in full-load	95 %
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
Networked standby power	0.50 W

¹⁾ Minimum

²⁾ Approximately

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 datasheet

Product weight	160.00 g
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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
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Capabilities

Dimming method	Phase cut-off
Dimming interface	DALI or Touch DIM/Touch DIM Sensor
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 mm²
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 mm²
Dimmable	Yes
Dimming range	0.1...100 % ¹⁾
No-load proof	Yes
Intended for no-load operation	No

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

Logistical data

Commodity code	85044095900
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Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)

Product datasheet

Date of Declaration	21-04-2023
Primary Article Identifier	4008321420633
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	9345a0a7-e3a5-49b7-880f-5f065a3e772f

Download Data

File	
	Product Datasheet 321473_ATI HTi DALI 105230-240 DIM (G+GB)
	Certificates 504178_EAC HT family
	Certificates HTL HTM HTI DALI VDE ENEC 40024665 070923
	Certificates VDE EMC Dertificate 40024187
	Declarations of conformity 710835_EC-DOC Halotronic
	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

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.

Product datasheet

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321420633	HTI DALI 105/230...240 DIM	Shipping carton box 10	235 mm x 183 mm x 89 mm	3.83 dm ³	1889.00 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.