

## 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

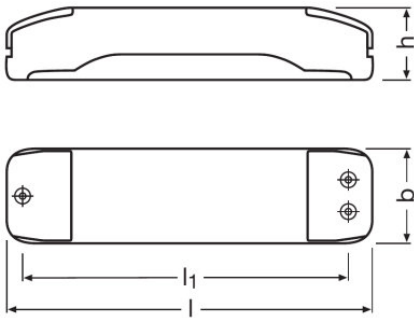
Electrical data

|                                          |                      |
|------------------------------------------|----------------------|
| 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 $\lambda$                   | 0.95 <sup>1)</sup>   |
| Operating frequency                      | 40 kHz <sup>2)</sup> |
| 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 |
|----------------|----------|

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                       | 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 % <sup>1)</sup>                                                                                                                         |
| No-load proof                        | Yes                                                                                                                                               |
| Intended for no-load operation       | No                                                                                                                                                |

<sup>1)</sup> 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 |
|----------------|-------------|

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<br>321473_ATI HTi DALI 105230-240 DIM (G+GB)     |
|    | Certificates<br>504178_EAC HT family                               |
|    | Certificates<br>HTL HTM HTI DALI VDE ENEC 40024665 070923          |
|   | Certificates<br>VDE EMC Dertificate 40024187                       |
|  | Declarations of conformity<br>710835_EC-DOC Halotronic             |
|  | Installation guide<br>334563_HALOTRONIC INTELLIGENT &#150; Manual  |
|  | CAD data 3-dim<br>317452_HTL 105230-240 and HTL 225230-240 9900052 |
|  | CAD data 3-dim<br>317453_HTL 105230-240 and HTL 225230-240 9900052 |
|  | CAD data 3-dim<br>317454_HTL 105230-240 and HTL 225230-240 9900052 |
|  | CAD data PDF<br>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<br>10    | 235 mm x 183 mm x 89 mm              | 3.83 dm <sup>3</sup> | 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.