

## 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 <sup>1)</sup> |
| Input voltage range                      | 230...240 V                   |
| Input voltage DC                         | 176...275 V                   |
| Inrush current                           | 0.6 A                         |
| Mains frequency                          | 50/60 Hz <sup>2)</sup>        |
| Power factor $\lambda$                   | 0.95 <sup>3)</sup>            |
| Device power loss                        | 6 W <sup>4)</sup>             |
| Max. ECG no. on circuit breaker 10 A (B) | 23                            |
| Max. ECG no. on circuit breaker 16 A (B) | 38                            |
| Operating frequency                      | 40 kHz                        |

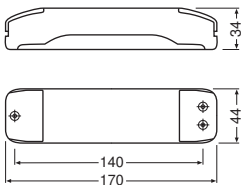
1) 105 W / 35 W

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 % <sup>1)</sup> |

<sup>1)</sup> 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 % <sup>1)</sup>           |
| 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                    |

<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 |
| 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                                              |
|    | EU Data Act                            | Connected Products and Related Software and Services              |
| 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<br>1                |                                      | 160.00 g     |                      |
| 4008321420640 | Shipping box<br>10           | 235 mm x 89 mm x 183 mm              | 1711.00 g    | 3.83 dm <sup>3</sup> |

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.