

## OTi DALI DIM 1-4CH D *(NEW)*

## CV Dimmers with DALI



## Product family features

- Intelligent digital dimmer (DALI) with constant output voltage
- Dimming range: 0...100 %
- Device fits also for special applications where dimming below 1 % is required

## Product family benefits

- Very precise dimming thanks to digital light control

### Areas of application

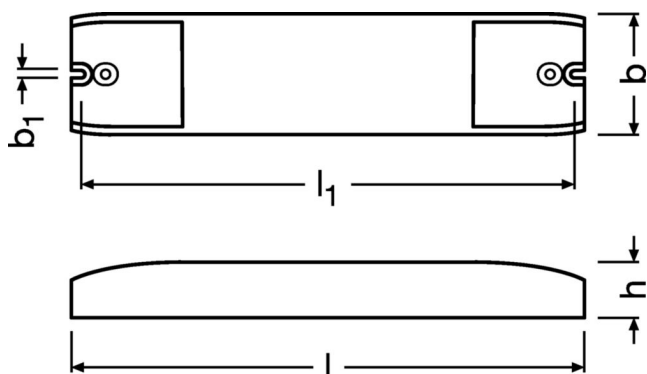
- Suitable for indoor installations
- Separate installation (ceiling mounting)

### Technical data

#### Electrical data

|                        |           |
|------------------------|-----------|
| Nominal input voltage  | 12...48 V |
| Mains frequency        | 0 Hz      |
| Nominal output voltage | 12...48 V |
| Nominal output power   | 240 W     |
| Galvanic isolation     | SELV      |

## Dimensions & weight



|                                      |                           |
|--------------------------------------|---------------------------|
| Length                               | 181.0 mm                  |
| Width                                | 42.0 mm                   |
| Height                               | 20.0 mm                   |
| Mounting hole spacing, length        | 175.5 mm                  |
| Cable cross-section, input side      | 0.5...2.5 mm <sup>2</sup> |
| Cable cross-section, output side     | 0.5...2.5 mm <sup>2</sup> |
| Wire preparation length, input side  | 5...8 mm                  |
| Wire preparation length, output side | 5...8 mm                  |
| Product weight                       | 86.00 g                   |

## Colors & materials

|                 |         |
|-----------------|---------|
| Casing material | Plastic |
|-----------------|---------|

## Temperatures & operating conditions

|  |                        |
|--|------------------------|
| Ambient temperature range                | -20...+50 °C           |
| Maximum temperature at tc test point     | 60 °C                  |
| Max.housing temperature in case of fault | 110 °C                 |
| Temperature range at storage             | -40...+85 °C           |
| Permitted rel. humidity during operation | 5...85 % <sup>1)</sup> |

1) Maximum 56 days/year at 85 %

### Lifespan

|              |         |
|--------------|---------|
| ECG lifetime | 50000 h |
|--------------|---------|

### Capabilities

|  |                               |
|--|-------------------------------|
| Dimmable                               | Yes                           |
| Dimming interface                      | DALI-2 / Corridor / Touch DIM |
| Dimming range                          | 1...100 %                     |
| Dimming method                         | PWM                           |
| Suitable for fixtures with prot. class | I / II                        |
| Type of connection, input side         | Screw terminal                |
| Type of connection, output side        | Screw terminal                |
| Number of channels                     | 4                             |
| Overheating protection                 | Automatic reversible          |
| Short-circuit protection               | Automatic reversible          |
| Intended for no-load operation         | No                            |
| No-load proof                          | Yes                           |

## Certificates & standards

|                           |  |
|---------------------------|--|
| Approval marks – approval | CE / EAC / RCM / ENEC 05   |
| Standards                 | Acc. to EC 61347-2-13 / Acc. to EN 62384 / Acc. to EN 55015 / Acc. to EN 61547 |
| Type of protection        | IP20   |

## Logistical data

|                |             |
|----------------|-------------|
| Commodity code | 85371098990 |
|----------------|-------------|

## Environmental information

| Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH) |               |
|---|---------------|
| Date of Declaration   | 26-09-2024    |
| Primary Article Identifier  | 4062172166010 |
| Declaration No. in SCIP database                                      | In work       |
| SCIP_STATUS   | In work       |
| SCIP_ID   |               |

### Ecodesign regulation information:

Intended for use with LED modules.

The forward voltage of the LED light source shall be within the defined operating window of the control gear in all operating conditions including dimming if applicable.

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.

### Download Data

| File                   |            |  |
|------------------------|------------|--|
| Product Datasheet      | PDF        | ▶ OTi DALI DIM 1 4 CH D TDS 310821             |
| Certificates           | PDF        | ▶ ENEC certificate OTi DALI DIM 1-4CH D        |
| CAD data 3-dim         | Compressed | ▶ 3D STEP file                                 |
| CAD data 3-dim         | Compressed | ▶ OTi DALI DIM 1-4CH D _ 3D stp file           |
| Mandatory Publications | PDF        | ▶ OTi DALI DIM 1 4 CH CE 4312383 01 160823     |
| Mandatory Publications | PDF        | ▶ OTi DALI DIM 1 4 CH UK DoC 4312420 01 180923 |
| User instruction       | PDF        | ▶ OTi DALI DIM 1 4CH D UI                      |



## Logistical Data

| Product code  | Product description  | Packaging unit<br>(Pieces/Unit)  | Dimensions (length<br>x width x height) | Volume               | Gross weight |
|---------------|----------------------|----------------------------------|---|----------------------|--------------|
| 4062172166010 | OTi DALI DIM 1-4CH D | Shipping carton box<br>20 Pieces | 229 x 197 x 133 mm                      | 6.00 dm <sup>3</sup> | 104.40 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.