

## OT DIM

CV Dimmers with 1...10 V



### Product family features

- Intelligent analog dimmer (1...10 V) with constant output voltage
- Dimming range: 0...100 %
- Cable clamp housing for independent mounting
- Device fits also for special applications where dimming below 1 % is required

### Product family benefits

- 1...10 V control port basic isolated

### Areas of application

- Suitable for indoor SELV installations

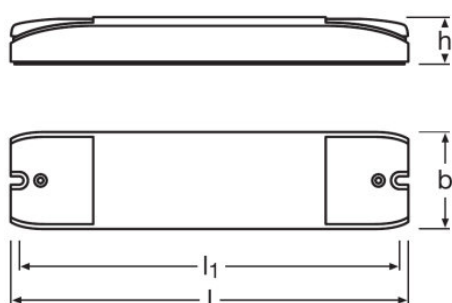
## Product datasheet

### Technical data

#### Electrical data

|                        |                 |
|------------------------|-----------------|
| Nominal input voltage  | 10...24 V       |
| Mains frequency        | 0 Hz            |
| Nominal output voltage | 10.5...24 V     |
| Nominal output power   | 120 W           |
| Galvanic isolation     | SELV equivalent |

#### Dimensions & weight



|                                      |                           |
|--------------------------------------|---------------------------|
| Mounting hole spacing, length        | 164.0 mm                  |
| Mounting length                      | 164.0 mm                  |
| Product weight                       | 81.00 g                   |
| Cable cross-section, input side      | 0.5...1.5 mm <sup>2</sup> |
| Cable cross-section, output side     | 0.5...1.5 mm <sup>2</sup> |
| Wire preparation length, input side  | 10 mm                     |
| Wire preparation length, output side | 10 mm                     |
| Length                               | 172.0 mm                  |
| Width                                | 42.0 mm                   |
| Height                               | 20.0 mm                   |

#### Colors & materials

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

#### Temperatures & operating conditions

|  |                        |
|--|------------------------|
| Ambient temperature range                | -20...+50 °C           |
| Maximum temperature at tc test point     | 70 °C                  |
| Temperature range at storage             | -25...85 °C            |
| Permitted rel. humidity during operation | 5...85 % <sup>1)</sup> |

## Product datasheet

<sup>1)</sup> Maximum 56 days/year at 85 %

### Lifespan

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

### Capabilities

|  |   |
|--|---|
| Dimmable                               | Yes   |
| Dimming interface                      | 1...10 V                                      |
| Dimming range                          | 0...100 %                                     |
| Dimming method                         | Amplitude Modulation / Pulse Width Modulation |
| Overheating protection                 | Automatic reversible <sup>1)</sup>            |
| Overload protection                    | Automatic reversible <sup>1)</sup>            |
| Short-circuit protection               | Automatic reversible <sup>1)</sup>            |
| No-load proof                          | Yes   |
| Suitable for fixtures with prot. class | II  |
| Type of connection, output side        | Screw terminal                                |

<sup>1)</sup> In combination with OPTOTRONIC power supply




### Certificates & standards

|                           |   |
|---------------------------|---|
| Approval marks – approval | CE / UR / VDE / VDE-EMC   |
| Standards                 | Acc. to EN 55015/Acc. to EN 61547/Acc. to EN 61046/Acc. to IEC 61347-2-2/Acc. to UL 508 |
| Type of protection        | IP20  |

### Logistical data

|                |              |
|----------------|--------------|
| Commodity code | 853710989900 |
|----------------|--------------|

### Download Data

| File  |
|---|
|  Addon Technical Information<br>313229_ADDON TECHNICAL INFORMATION OT DIM VS20 OSRAM (GB)            |
|  Brochures<br>OPTOTRONIC constant-voltage LED power supplies and controls (EN)                       |
|  Declarations of conformity<br>334844_Declaration of conformity &#150; OT Dimmer &#150; OT Sequencer |

## Product datasheet

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### Logistical Data

| Product code  | Product description | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume               | Gross weight |
|---------------|---------------------|------------------------------|--------------------------------------|----------------------|--------------|
| 4050300943459 | OT DIM              | Shipping carton box<br>20    | 355 mm x 78 mm x 225 mm              | 6.23 dm <sup>3</sup> | 1654.20 g    |

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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.

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### Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.