

PRODUCT DATASHEET OT DIM

CV Dimmers with 1...10 V | CV Dimmers with 1...10 V



Areas of application

- Suitable for indoor SELV installations

Product benefits

- 1...10 V control port basic isolated

Product 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

TECHNICAL DATA

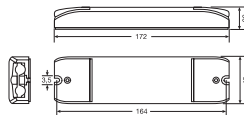
Electrical data

| | |
|-----------------------------|---------------------------|
| Nominal wattage | 144.00 W |
| Nominal output power | 120 W |
| Nominal voltage | 10...24 V |
| Nominal output voltage | 10,5...24 V |
| Input voltage AC | 10,5...24 V ¹⁾ |
| Input voltage DC | 10,5...24 V |
| Nominal current | 5 A |
| Mains frequency | 0 Hz |
| ECG efficiency | 96 % |
| Device power loss | 4 W ²⁾ |
| Galvanic isolation | SELV equivalent |
| Operating frequency | 135 Hz |
| Power loss in stand-by mode | < 0.5 W |

1) V_{DC}

2) Maximum

Dimensions & Weight



| | |
|--------------------------------------|---------------------------|
| Length | 172.00 mm |
| Mounting hole spacing, length | 164,0 mm |
| Width | 42.00 mm |
| Height | 20.00 mm |
| Cable cross-section, input side | 0.5...1.5 mm ² |
| Cable cross-section, output side | 0.5...1.5 mm ² |
| Wire preparation length, input side | 10 mm |
| Wire preparation length, output side | 10 mm |
| Product weight | 81.00 g |

Colors & materials

| | |
|-----------------|---------|
| Product color | White |
| Casing material | Plastic |

| | |
|---------------|---------|
| Body material | Plastic |
|---------------|---------|

Temperatures & operating conditions

| | |
|--|------------------------|
| Ambient temperature range | -20...+50 °C |
| Maximum temperature at tc test point | 70 °C |
| Max.housing temperature in case of fault | 100 °C |
| Permitted rel. humidity during operation | 5...85 % ¹⁾ |

¹⁾ Maximum 56 days/year at 85 %

Lifespan

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

Additional product data

| | |
|---------------------------|----|
| Encapsulated | No |
| Number of control outputs | 1 |

Capabilities

| | |
|--|---|
| Dimmable | Yes |
| Dimming interface | 1...10 V |
| Dimming range | 0...100 % |
| Overheating protection | Automatic reversible |
| Overload protection | Automatic reversible |
| Short-circuit protection | Automatic reversible ¹⁾ |
| No-load proof | Yes |
| Suitable for fixtures with prot. class | II |
| Type of connection, output side | Screw terminal |
| Type of installation | Luminaire integration/Ceiling integration |

¹⁾ In combination with OPTOTRONIC power supply



Certificates & Standards

| | |
|---------------------------|--|
| Approval marks – approval | CE / UR / VDE / VDE-EMC |
| Standards | Acc. to DIN VDE 0875/CISPR 15/EN 55015 / Acc. to EN 55015 / Acc. to EN 61547 / Acc. to EN 61046 / Acc. to IEC 61347-2-2 / Acc. to UL 508 |
| Protection class | III |
| Type of protection | IP20 |

LOGISTICAL DATA

| | |
|------------------------------|-------------|
| Temperature range at storage | -25...85 °C |
|------------------------------|-------------|

DOWNLOAD DATA

| Documents and certificates | Document name |
|---|---|
|  Declarations of conformity | 334844_Declaration of conformity – OT Dimmer – OT Sequencer |
|  Certificates | 729533_Certificate OT DIM 10-24 |

LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4050300943459 | Unpacked 1 | 171 mm x 21 mm x 43 mm | 81.00 g | 0.15 dm ³ |
| 4050300943466 | Shipping box 20 | 355 mm x 78 mm x 225 mm | 1654.20 g | 6.23 dm ³ |

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.