
OT DIM

CV Dimmers with 1...10 V



Areas of application

- Suitable for indoor SELV installations

Product benefits

- Safety requirement due to overload, overtemperature, short-circuit protection

Product features

- Intelligent analog dimmer (1...10 V) with constant output voltage
- Up to 3 output channels
- Dimming range: 0.1...100 %
- Cable clamp housing for independent mounting
- Device fits also for special applications where dimming below 1 % is required

Product datasheet

Technical data

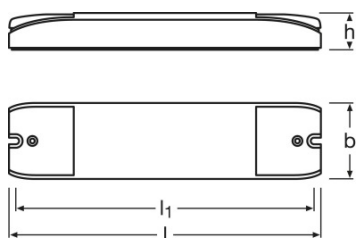
Electrical data

Nominal output power	120 W
Input voltage AC	10.5...24 V ¹⁾
Mains frequency	0 Hz
Nominal output voltage	10.5...24 V
Nominal voltage	10...24 V
Device power loss	4.0 W ²⁾
ECG efficiency	96 %
Galvanic isolation primary/secondary	3.75 kV

¹⁾ V_{DC}

²⁾ Maximum

Dimensions & weight



Length	172.0 mm
Width	42.0 mm
Height	20.0 mm
Product weight	81.00 g
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

Colors & materials

Casing material	Plastic
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Temperatures

Ambient temperature range	-20...+50 °C
Temperature range at storage	-25...85 °C

Product datasheet

Maximum temperature at tc test point	70 °C
Max.housing temperature in case of fault	100 °C

Lifespan

ECG lifetime	50000 h
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Capabilities

Dimmable	Yes ¹⁾
Dimming range	0...100 %
Suitable for fixtures with prot. class	II
Overheating protection	Automatic reversible ²⁾
Overload protection	Automatic reversible ²⁾
Short-circuit protection	Automatic reversible ²⁾
No-load proof	Yes
Max. cable length to lamp/LED module	-



¹⁾ 1 channel PWM output

²⁾ In combination with OPTOTRONIC power supply

Certificates & standards

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

Download Data

File
 Addon Technical Information ADDON TECHNICAL INFORMATION OT DIM VS20 OSRAM (GB)
 Declarations of conformity Declaration of conformity OT Dimmer OT Sequencer

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 20	355 mm x 78 mm x 225 mm	6.23 dm ³	1654.20 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.

Product datasheet

Disclaimer

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