

PRODUCT DATASHEET OT DIM

CV Dimmers with 1...10 V



AREAS OF APPLICATION

- Suitable for indoor SELV installations

PRODUCT FAMILY BENEFITS

- 1...10 V control port basic isolated

PRODUCT FAMILY FEATURES

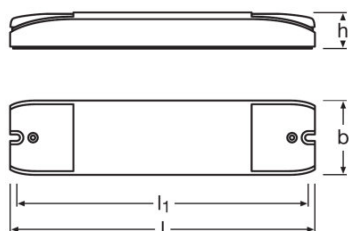
- Intelligent analog dimmer (1...10 V) with constant output voltage
- Dimming range: 0...100 %
- Cable clamp housing for independent mounting
- Device fits also for special applications where dimming below 1 % is required

TECHNICAL DATA

Electrical data

Nominal voltage	10...24 V
Mains frequency	0 Hz
ECG efficiency	96 %
Power loss in stand-by mode	<0.5 W
Nominal output voltage	10.5...24 V
Nominal output power	120 W
Galvanic isolation	SELV equivalent

Dimensions & weight



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

Colors & materials

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

Temperatures & operating conditions

Ambient temperature range	-20...+50 °C
Maximum temperature at tc test point	70 °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
--------------	----

Capabilities

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

¹⁾ 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

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

DOWNLOAD DATA

File
 Addon Technical Information 313229_ADDON TECHNICAL INFORMATION OT DIM VS20 OSRAM (GB)
 Certificates 729533_Certificate OT DIM 10-24
 Declarations of conformity 334844_Declaration of conformity – OT Dimmer – OT Sequencer

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 carton 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.