

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

Product family datasheet

Technical data

Electrical data

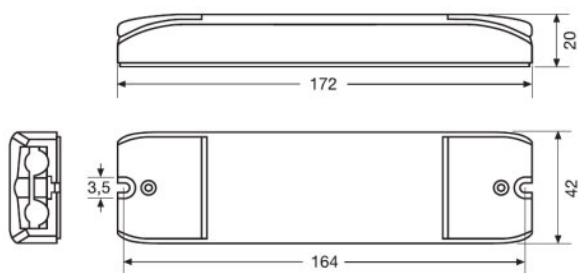
Product description	Nominal input voltage	Mains frequency	Nominal output voltage	Nominal output power	Galvanic isolation
OT DIM	10...24 V	0 Hz	10.5...24 / 10.5...24 V	120 W	SELV equivalent

Dimensions & weight

Product description	Mounting hole spacing, length	Mounting length	Product weight	Cable cross-section, input side	Cable cross-section, output side
OT DIM	164.0 mm	164.0 mm	81.00 g	0.5...1.5 mm ²	0.5...1.5 mm ²

Product description	Wire preparation length, input side	Wire preparation length, output side	Length	Width	Height
OT DIM	10 mm	10 mm	172.0 mm	42.0 mm	20.0 mm

Product line drawing



OT DIM

Product family datasheet

Colors & materials

Product description	Casing material
OT DIM	Plastic

Temperatures & operating conditions

Product description	Ambient temperature range	Maximum temperature at tc test point	Temperature range at storage	Permitted rel. humidity during operation
OT DIM	-20...+50 °C	70 °C	-25...85 °C	5...85 % ¹⁾

¹⁾ Maximum 56 days/year at 85 %

Lifespan

Product description	ECG lifetime
OT DIM	50000 h

Capabilities

Product description	Dimmable	Dimming interface	Dimming range	Dimming method
OT DIM	Yes	1...10 V	0...100 %	Amplitude Modulation / Pulse Width Modulation

Product description	Overheating protection	Overload protection	Short-circuit protection	No-load proof
OT DIM	Automatic reversible ¹⁾	Automatic reversible ¹⁾	Automatic reversible ¹⁾	Yes

Product description	Suitable for fixtures with prot. class	Type of connection, output side
OT DIM	II	Screw terminal

¹⁾ In combination with OPTOTRONIC power supply

Certificates & standards

Product description	Approval marks – approval	Standards	Type of protection
OT DIM	CE / VDE / VDE-EMC	Acc. to DIN VDE 0875/CISPR 15/EN 55015/Acc. to EN 61547/Acc. to EN 55015/Acc. to EN 61547/Acc. to EN 61046/Acc. to IEC 61347-2-2/Acc. to UL 508	IP20

Product family datasheet

Logistical data

Product description	Commodity code
OT DIM	853710989900

Environmental information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)

Product description	Date of Declaration	Primary Article Identifier	Candidate List Substance 1
OT DIM	12-04-2022	4050300943459	No declarable substances contained

Product description	Declaration No. in SCIP database
OT DIM	No declarable substances contained

Application advice

For more detailed application information and graphics please see product datasheet.




Sales and Technical Support

Sales and Technical Support www.osram.com

Country specific information

Product description	Product code	METEL code	SEG-No.	STK number	UK Org
OT DIM	4050300943459	OSROTDIM	-	4031170	-
OT DIM	4050300943459	OSROTDIM	-	4031170	-

Download Data

File
 Addon Technical Information 313229_ADDON TECHNICAL INFORMATION OT DIM VS20 OSRAM (GB)
 Brochures OPTOTRONIC constant-voltage LED power supplies and controls (EN)
 Declarations of conformity 334844_Declaration of conformity – OT Dimmer – OT Sequencer

Product family datasheet



CAD data 3-dim
OT DIM_ 3D igs file

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.

Disclaimer

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