

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
- Dimming range: 0.1...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 voltage	Mains frequency	ECG efficiency	Power loss in stand-by mode	Nominal output voltage	Nominal output power
OT DIM	10...24 V	0 Hz	96 %	<0.5 W	10.5...24 V	120 W

Product description	Galvanic isolation
OT DIM	SELV equivalent

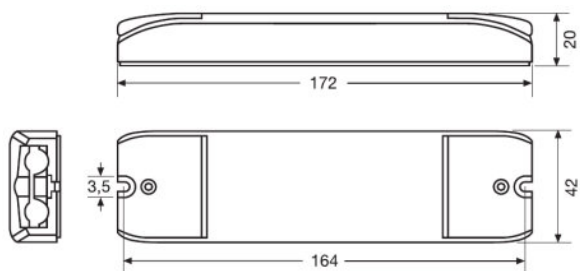
Dimensions & weight

Product description	Length	Width	Height	Mounting hole spacing, length	Mounting length	Product weight
OT DIM	172.0 mm	42.0 mm	20.0 mm	164.0 mm	164.0 mm	81.00 g

Product description	Cable cross-section, input side	Cable cross-section, output side	Wire preparation length, input side	Wire preparation length, output side
OT DIM	0.5...1.5 mm ²	0.5...1.5 mm ²	10 mm	10 mm

Product family datasheet

Product line drawing



OT DIM

Colors & materials

Product description	Casing material
OT DIM	Plastic

Temperatures & operating conditions

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

¹⁾ Maximum 56 days/year at 85 %

Lifespan

Product description	ECG lifetime
OT DIM	50000 h

Product family datasheet

Additional product data

Product description	Encapsulated
OT DIM	No

Capabilities

Product description	Dimmable	Dimming interface	Dimming range	Dimming method
OT DIM	Yes ¹⁾	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 ²⁾	Automatic reversible ²⁾	Automatic reversible ²⁾	Yes

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

¹⁾ 1 channel PWM output

²⁾ In combination with OPTOTRONIC power supply

Certificates & standards

Product description	Approval marks – approval
OT DIM	CE / UR / VDE / VDE-EMC

Product description	Standards	Type of protection
OT DIM	Acc. to EN 55015/Acc. to EN 61547/Acc. to EN 61046/Acc. to IEC 61347-2-2/Acc. to UL 508	IP20

Logistical data

Product description	Temperature range at storage
OT DIM	-25...85 °C

Application advice

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

Sales and Technical Support




Sales and Technical Support www.osram.com

Product family datasheet

Country specific information

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

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	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.