

OT DIM

CV Dimmers with 1...10 V



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 benefits

- 1...10 V control port basic isolated

Areas of application

- Suitable for indoor SELV installations

Technical data

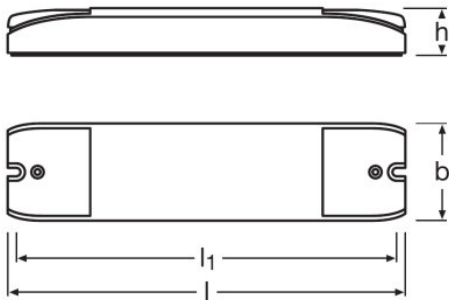
Electrical data

Nominal input voltage	10...24 V
Nominal output voltage	10.5...24 / 10.5...24 V
Nominal output power	120 W
Galvanic isolation	SELV equivalent
Device power loss	4.0 W ¹⁾
Input voltage AC	10.5...24 V ²⁾

¹⁾ Maximum

²⁾ V_{DC}

Dimensions & weight



Mounting hole spacing, length	164.0 mm
Mounting length	164.0 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
Wire preparation length, output side	10 mm
Length	172.0 mm
Width	42.0 mm
Height	20.0 mm

Colors & materials

Casing material	Plastic
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Temperatures & operating conditions

Ambient temperature range	-20...+50 °C
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Product datasheet

Maximum temperature at tc test point	70 °C
Temperature range at storage	-25...85 °C
Permitted rel. humidity during operation	5...85 % ¹⁾
Max.housing temperature in case of fault	100 °C

¹⁾ Maximum 56 days/year at 85 %

Lifespan

ECG lifetime	50000 h
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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 / VDE / VDE-EMC
Standards	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
Type of protection	IP20
Protection class	III

Logistical data

Commodity code	85371098990
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Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	21-07-2023
Primary Article Identifier	4050300943459
Candidate List Substance 1	Lead
CAS No. of substance 1	7439-92-1

Product datasheet

Safe Use Instruction	The identification of the Candidate List substance is sufficient to allow safe use of the article.
Declaration No. in SCIP database	b313a0eb-623a-448c-a191-430b12caefba

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)
	Certificates OT DIM 10 24 VDE ENEC 40027477 190422
	Declarations of conformity 334844_Declaration of conformity – OT Dimmer – OT Sequencer
	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	351 mm x 222 mm x 68 mm	5.30 dm ³	2150.00 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.