

PRODUCT DATASHEET OT DIM

CV Dimmers with 1...10 V | CV Dimmers with 1...10 V



Areas of application

- Suitable for indoor SELV installations

Product benefits

- 1...10 V control port basic isolated

Product 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

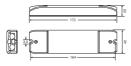
TECHNICAL DATA

Electrical data

Nominal wattage	144.00 W
Nominal output power	120 W
Nominal voltage	1024 V
Nominal output voltage	10,524 V
Input voltage AC	10,524 V ¹⁾
Input voltage DC	10,524 V
Nominal current	5 A
Mains frequency	0 Hz
ECG efficiency	96 %
Device power loss	4 W ²⁾
Galvanic isolation	SELV equivalent
Operating frequency	135 Hz
Power loss in stand-by mode	< 0.5 W

^{1) &}lt;sub>VDC</sub>

Dimensions & Weight



Length	172.00 mm
Mounting hole spacing, length	164,0 mm
Width	42.00 mm
Height	20.00 mm
Cable cross-section, input side	0.51.5 mm ²
Cable cross-section, output side	0.51.5 mm ²
Wire preparation length, input side	10 mm
Wire preparation length, output side	10 mm
Product weight	81.00 g

Colors & materials

Product color	White
Casing material	Plastic

^{2) &}lt;sub>Maximum</sub>

Body material	Plastic	
emperatures & operating conditions		
Ambient temperature range	-20+50 °C	
Maximum temperature at tc test point	70 °C	
Max.housing temperature in case of fault	100 °C	
Permitted rel. humidity during operation	585 % ¹⁾	

Lifespan

ECG lifetime	50000 h

Additional product data

Encapsulated	No
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Capabilities

Dimmable	Yes	
Dimming interface	110 V	
Dimming range	0100 %	
Overheating protection	Automatic reversible	
Overload protection	Automatic reversible	
Short-circuit protection	Automatic reversible ¹⁾	
No-load proof	Yes	
Suitable for fixtures with prot. class	II .	
Type of connection, output side	Screw terminal	
Number of control outputs	1	
Type of installation	Luminaire integration/Ceiling integration	

 $^{1) \ \ \}hbox{In combination with OPTOTRONIC power supply} \\$

Certificates & Standards

Approval marks – approval	CE / UR / VDE / VDE-EMC	
Standards	Acc. to DIN VDE 0875/CISPR 15/EN 55015 / Acc. to EN 55015 / Acc. to EN 61547 / Acc. to EN 61046 / Acc. to IEC 61347-2-2 / Acc. to UL 508	
Protection class	III	
Type of protection	IP20	

LOGISTICAL DATA

Temperature range at storage	-2585 °C

DOWNLOAD DATA

OT DIM

	Documents and certificates
POF	Declarations Of Conformity CE
PDF	Certificates

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 dm³
4050300943466	Shipping 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.