OSRAM

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
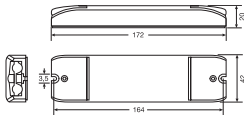– Device fits also for special applications where dimming below 1 % is required

TECHNICAL DATA

Electrical data

Nominal wattage	144.00 W
Nominal output power	120 W
Nominal voltage	10...24 V
Nominal output voltage	10,5...24 V
Input voltage AC	10,5...24 V [1]
Input voltage DC	10,5...24 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] V_{DC}

[2] Maximum

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	0.5...1.5 mm²
Cable cross-section, output side	0.5...1.5 mm²
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

Body material	Plastic

Temperatures & 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	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 %
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] 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	-25...85 °C

DOWNLOAD DATA

Documents and certificates
Declarations Of Conformity CE
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 dm³

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.

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