

OT 50/220...240/24

CV Power supplies 24 V



Areas of application

- Suitable for indoor and outdoor SELV installations
- Suitable for use in tight, flat luminaires or installation in suspended ceilings
- Outdoor applications only in suitable luminaires

Product benefits

- Very high efficiency and reliability
- Versatile scope of application due to output power range of up to 240 W
- Constant luminous flux for very low and high temperatures due to Smart Power Supply

Product datasheet

Technical data

Electrical data

Output power	50 W ¹⁾
Input voltage	198...264 V ²⁾
Mains frequency	50...60 Hz
Output voltage	24 V ³⁾
Nominal voltage	220...240 V
Nominal current	0.35 A ⁴⁾
Device power loss	8.0 W ⁵⁾
Power factor λ	0.95/0.90 ⁶⁾
ECG efficiency	85 % ⁷⁾
Inrush current	45 A ⁸⁾
Max. no. of ECGs on circuit breaker 10 A	12
Max. no. of ECGs on circuit breaker 16 A	19
Galvanic isolation primary/secondary	3.75 kV ⁹⁾
Surge capability (L-N)	2 kV

¹⁾ Partial load 0...50 W

²⁾ V_{AC} / Permitted voltage range

³⁾ +0.9/-0.5 V

⁴⁾ At 230 V

⁵⁾ Maximum

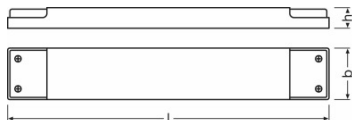
⁶⁾ Full load at 230 V/Half load at 230 V

⁷⁾ At full load and 230 V

⁸⁾ $t_{width} = 80 \mu s$ (measured at 50 % I_{peak})

⁹⁾ SELV-equivalent

Dimensions & weight



Product line drawing

Product datasheet

Length	242.0 mm
Width	40.0 mm
Height	16.0 mm
Product weight	290.00 g
Cable cross-section, input side	0.75...1.5 mm ² ¹⁾
Cable cross-section, output side	0.5...1.5 mm ² ¹⁾
Wire preparation length, input side	10 mm

¹⁾ Solid or flexible leads

Colors & materials

Casing material	Plastic
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Temperatures

Ambient temperature range	-20...+45 °C
Temperature range at storage	-30...85 °C
Maximum temperature at tc test point	95 °C
Max.housing temperature in case of fault	110 °C

Lifespan

ECG lifetime	50000 h ¹⁾
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¹⁾ At tcase = 80°C at tc point / 10 % failure rate

Capabilities

Dimmable	Yes ¹⁾
Suitable for fixtures with prot. class	II
Overheating protection	Automatic reversible
Overload protection	Automatic reversible
Short-circuit protection	Automatic reversible
No-load proof	Yes
Maximum wiring length ECG/lamp	10 m


¹⁾ With OPTOTRONIC dimmers

Certificates & standards

Type of protection	IP20
Standards	acc. to IEC 61347-1/acc. to IEC 61347-2-13/acc. to IEC 62384/acc. to CISPR 15/acc. to IEC 61000-3-2/acc. to IEC 61547
Approval marks – approval	CE / ENEC 10 / CB / C-Tick

Product datasheet

Download Data

File	
	Installation/Operation notice Instruction Sheet OT 50220-24024

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (height x width x length)	Volume	Gross weight
4052899905566	OT 50/220...240/24	Shipping carton box 20	248 mm x 134 mm x 288 mm	9.57 dm ³	4758.00 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.