

OT 240/220...240/24 P

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

Product benefits

- Very high efficiency and reliability
- Versatile scope of application due to output power range of up to 240 W
- High IP protection (IP64)
- Constant luminous flux for very low and high temperatures due to Smart Power Supply
- Higher output power possible thanks to secondary-side parallel connection (up to 4 ECGs)
- High surge protection: up to 3 kV (L-N) / 6 kV (L/N-PE)

Technical data

Electrical data

Output power	240 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	1.10 A ⁴⁾
Device power loss	18 W
Power factor λ	0.90/0.95 ⁵⁾
ECG efficiency	93 % ⁶⁾
Inrush current	70 A ⁷⁾
Max. no. of ECGs on circuit breaker 10 A	5
Max. no. of ECGs on circuit breaker 16 A	8
Galvanic isolation primary/secondary	3.75 kV ⁸⁾
Surge capability (L/N-Ground)	6 kV
Surge capability (L-N)	3 kV

1) Partial load 0...240 W

2) Permitted voltage range

3) +1.0/-0.5 V

4) At 230 V

5) Minimum/Full load at 230 V/Half load at 230 V

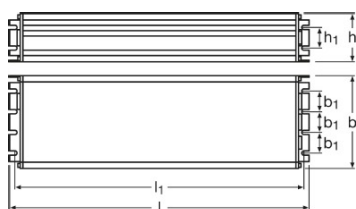
6) At full load and 230 V

7) Maximum / At 250 μ s

8) SELV-equivalent

Dimensions & weight

Product datasheet



Product line drawing

Length	250.0 mm
Width	80.0 mm
Height	39.0 mm
Product weight	1500.00 g
Cable cross-section, input side	1.0 mm ² ¹⁾
Cable cross-section, output side	1.5 mm ² ¹⁾
Wire preparation length, input side	10...11 mm

¹⁾ Flexible

Colors & materials

Casing material	Metal
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Temperatures

Ambient temperature range	-25...+55 °C
Maximum temperature at tc test point	80 °C ¹⁾
Max.housing temperature in case of fault	100 °C

¹⁾ Maximum at the Tc-point

Lifespan

ECG lifetime	50000 h ¹⁾
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¹⁾ At tcase = 70°C at tc point / 10 % failure rate

Capabilities

Dimmable	Yes ¹⁾
Suitable for fixtures with prot. class	I
Overheating protection	Automatic reversible
Overload protection	Automatic reversible

Product datasheet




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	IP67
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 61000-3-3 / acc. to IEC 61547
Approval marks – approval	CE / CB / C-Tick

Download Data

File	
	Product Datasheet Data sheet (PDF)
	Declarations of conformity Declaration of conformity - OT 80220-24024 P - OT 120220-24024 P - OT 240
	Installation guide Instruction Sheet_OT 240220-24024 P

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (height x width x length)	Volume	Gross weight
4008321981783	OT 240/220...240/24 P	Shipping carton box 8	400 mm x 193 mm x 540 mm	41.69 dm ³	14460.00 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.