
OPTOTRONIC OT 240/220-240/24 DIM P | Power supplies for LED modules

- Outdoor applications

Product benefits

- High surge protection: up to 3 kV (L-N) / 6 kV (L/N-PE)
- High IP protection (IP67)
- Flexible mounting concept

Product features

- SELV equivalent
- Dimmable via fully insulated 1...10 V interface
- 2 output channels for optional distribution of the output power

Technical data

Electrical data

Nominal current	1.10 A ¹⁾
Input voltage	198...264 V ²⁾
Nominal voltage	220...240 V
Mains frequency	50/60 Hz
Output voltage	24 V ³⁾
Device power loss	21 W ⁴⁾
Max. no. of ECGs on circuit breaker 10 A	5
Max. no. of ECGs on circuit breaker 16 A	8
Output power	240 W
Power loss in stand-by mode	<1.5 W
Inrush current	70 A ⁵⁾
Rated power factor λ	0.95/0.90 ⁶⁾
Galvanic isolation primary/secondary	3.75 kV ⁷⁾
No-load proof	Yes
Surge capability (L-N)	3 kV
Surge capability (L/N-Ground)	6 kV

¹⁾ At 230 V

²⁾ Permitted voltage range

³⁾ +1.0/-0.5 V

⁴⁾ Maximum

⁵⁾ Maximum / At 250 μ s

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

⁷⁾ SELV-equivalent

Dimensions & weight

Length	250.0 mm
Width	80.0 mm
Height	34.0 mm
Product weight	1500.00 g
Cable cross-section, output side	1.5 mm ² ¹⁾
Cable cross-section, input side	1.0 mm ² ¹⁾

¹⁾ Flexible



Product line drawing with letters

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 $t_{case} = 70^\circ\text{C}$ at tc point / 10 % failure rate

Additional product data

ECG efficiency	92 % ¹⁾
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¹⁾ At full load and 230 V

Capabilities

Dimming interface	1...10 V
Dimming range	1...100 %
Maximum wiring length ECG/lamp	10 m
Dimmable	Yes
Overload protection	Automatic reversible
Overheating protection	Automatic reversible
Short-circuit protection	Automatic reversible
Suitable for fixtures with prot. class	I

Certificates & standards

Approval marks – approval	CE
Type of protection	IP67

Logistical Data

Product code	Packaging unit (Pieces/Unit)	Dimensions (height x width x length)	Gross weight	Volume
4008321981714	Folding carton box 1	120 mm x 58 mm x 340 mm	1595.00 g	2.37 dm ³
4008321981776	Shipping carton box 8	400 mm x 193 mm x 540 mm	14460.00 g	41.69 dm ³

Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.