

OT 120/220...240/12 P

OPTOTRONIC OT 120/220-240/12 P | Constant voltage ECG 12 V for LED modules



- Suitable for outdoor applications

Product benefits

- High surge protection: up to 3 kV (L-N) / 6 kV (L/N-PE)
- High IP protection (IP67)
- Intelligent power matching thanks to Smart power supply
- Flexible mounting concept

Product features

- SELV equivalent
- 2 output channels for optional distribution of the output power

Technical data

Electrical data

Nominal current	0.70 A ¹⁾
Input voltage	198...264 V ²⁾
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Output voltage	12.5 V ³⁾
Surge capability (L/N-Ground)	6 kV
Surge capability (L-N)	3 kV
Device power loss	18 W
Max. no. of ECGs on circuit breaker 10 A	6
Max. no. of ECGs on circuit breaker 16 A	10
Output power	120 W ⁴⁾
Inrush current	40 A ⁵⁾
Power factor λ	0.98/0.95 ⁶⁾
ECG efficiency	88 % ⁷⁾
Galvanic isolation primary/secondary	3.75 kV ⁸⁾

¹⁾ At 230 V

²⁾ V_{AC} / Permitted voltage range

³⁾ ± 0.5 V

⁴⁾ Partial load 0...120 W

⁵⁾ At 300 μ s

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

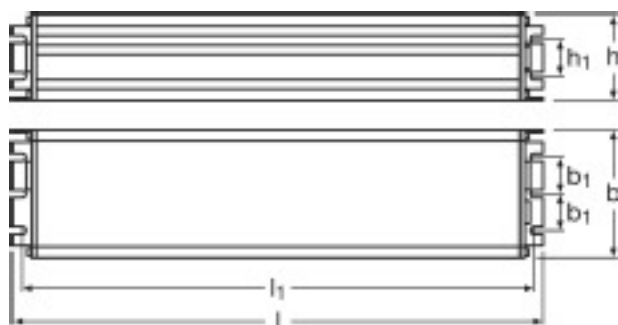
⁷⁾ At full load and 230 V

⁸⁾ SELV-equivalent

Dimensions & weight

Length	250.0 mm
Width	60.0 mm
Height	39.0 mm
Product weight	1150.00 g
Cable cross-section, output side	1.0 mm ² ¹⁾
Cable cross-section, input side	1.0 mm ² ¹⁾

¹⁾ Flexible



Product line drawing

Temperatures

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

Lifespan

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

Capabilities

Maximum wiring length ECG/lamp	10 m
Dimmable	Yes ¹⁾
Overload protection	Automatic reversible
Overheating protection	Automatic reversible
Short-circuit protection	Automatic reversible
Suitable for fixtures with prot. class	I

Capabilities

No-load proof	Yes
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¹⁾ With OPTOTRONIC dimmers

Certificates & standards

Approval marks – approval	CE / ENEC 18 / CB / C-Tick
Type of protection	IP67

Logistical Data

Product code	Packaging unit (Pieces/Unit)	Dimensions (height x width x length)	Gross weight	Volume
4008321790835	Folding carton box 1	106 mm x 58 mm x 340 mm	1240.00 g	2.09 dm ³
4008321790842	Shipping carton box 10	399 mm x 155 mm x 589 mm	13000.00 g	36.43 dm ³

Disclaimer

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