

OT 80/220...240/24 P

OPTOTRONIC OT 80/220-240/24 P | Constant voltage ECG 24 V for LED modules



- Suitable for outdoor applications

Product benefits

- High surge protection: up to 3 kV (L-N)
- High IP protection (IP67)
- Slim housing design and flexible mounting concept

Product features

- SELV equivalent

Technical data

Electrical data

Nominal current	0.40 A ¹⁾
Input voltage	198...264 V ²⁾
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Output voltage	24 V ³⁾
Surge capability (L-N)	3 kV
Device power loss	12 W ⁴⁾
Max. no. of ECGs on circuit breaker 10 A	7
Max. no. of ECGs on circuit breaker 16 A	10
Output power	80 W ⁵⁾
Power loss in stand-by mode	<1.5 W
Inrush current	35 A ⁶⁾
Power factor λ	0.90/0.95 ⁷⁾
ECG efficiency	87 % ⁸⁾
Galvanic isolation primary/secondary	3.75 kV ⁹⁾

¹⁾ At 230 V

²⁾ Permitted voltage range

³⁾ +1.0/-0.5 V

⁴⁾ Maximum

⁵⁾ Partial load 0...80 W

⁶⁾ Maximum / At 360 μ s

⁷⁾ Minimum/Full load at 230 V/Half load at 230 V

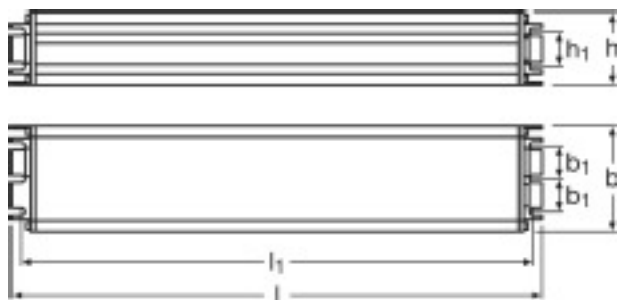
⁸⁾ At full load and 230 V

⁹⁾ SELV-equivalent

Dimensions & weight

Length	250.0 mm
Width	50.0 mm
Height	34.0 mm
Product weight	850.00 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

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⁾
---------------------	-----------------------

¹⁾ At $t_{case} = 70^\circ\text{C}$ 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

Capabilities

Suitable for fixtures with prot. class	II
No-load proof	Yes

¹⁾ With OPTOTRONIC dimmers

Certificates & standards

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

Disclaimer

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