

OPTOTRONIC OTe 90/220-240/4x500 E



- Outdoor applications

Product benefits

- Large output power range: up to 90 W
- High surge protection: up to 3 kV (L-N) / 3.5 kV (L/N-PE)
- Robust and reliable design
- Doubling of the output current by connecting two channels in parallel

Product features

- 4 output channels each with low output voltage: < 60 V

Technical data

Electrical data

Nominal current	0.50 A ¹⁾
Input voltage	198...264 V ²⁾
Nominal voltage	220...240 V
Output current	500 / 1000 mA ³⁾
Mains frequency	50/60 Hz
Output voltage	45 V ⁴⁾
Device power loss	15.0 W ⁵⁾
Output power	90 W ⁶⁾
Power loss in stand-by mode	<4 W ⁷⁾
Inrush current	40 A ⁸⁾
Rated power factor λ	0.95/0.90 ⁹⁾
Galvanic isolation primary/secondary	3.75 kV ¹⁰⁾
No-load proof	Yes
Surge capability (L-N)	3 kV
Surge capability (L/N-Ground)	3.5 kV

¹⁾ At 230 V

²⁾ Permitted voltage range

³⁾ 4 x 500 mA or 2 x 1000 mA / ± 10 %

⁴⁾ Maximum 52 V per channel (at no load)

⁵⁾ Maximum

⁶⁾ Partial load 35...90 W

⁷⁾ 4 channels / No load condition

⁸⁾ Maximum / At 300 μ s

⁹⁾ Minimum / >40 W total output power at 230VAC / >35 W total input power at 230VAC

¹⁰⁾ SELV-equivalent

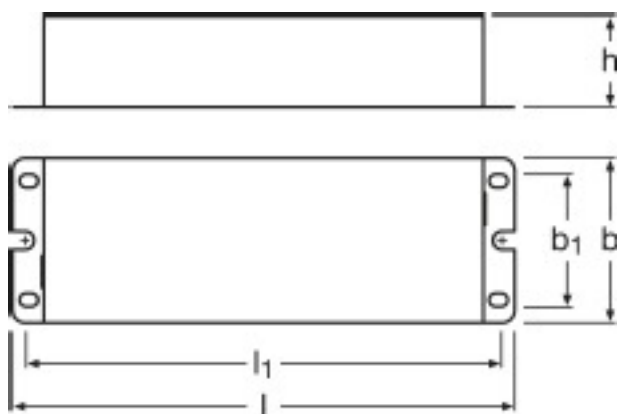
Dimensions & weight

Maximum cable length – system	10 m
Length	238.0 mm
Width	89.0 mm
Height	46.0 mm
Product weight	1705.00 g
Cable cross-section, output side	0.33 mm ² ¹⁾

Dimensions & weight

Cable cross-section, input side	0.83 mm ² ¹⁾
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¹⁾ Flexible



Product line drawing with letters

Temperatures

Ambient temperature range	-25...+55 °C
Operating temperature	75 °C ¹⁾
Max. housing temperature in case of fault	130 °C

¹⁾ Maximum at the Tc-point

Lifespan

ECG lifetime	50000 h ¹⁾
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¹⁾ At Ta = 50 °C / 10 % failure rate

Additional product data

ECG efficiency	87 %
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Capabilities

Dimmable	No
Overload protection	Automatic reversible
Overtemperature protection	No ¹⁾
Short-circuit protection	Automatic reversible
Suitable for fixtures with prot. class	I

¹⁾ Only for AA3132100DG Version

Certificates & standards

Type of protection	IP64
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Guarantee

Logistical Data

Product code	Packaging unit (Pieces/Unit)	Dimensions (height x width x length)	Gross weight	Volume
4008321651600	Folding carton box 1	120mm x 56mm x 280mm	1765.00g	1.88dm ³
4008321651617	Shipping carton box 6	295mm x 143mm x 385mm	10950.00g	16.24dm ³

Disclaimer

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