

OTe 50/220...240/1A0 CS

OPTOTRONIC ECO | Compact Constant Current – Non dimmable



Areas of application

- Suitable for use in luminaires with flexible current setting (Tri-Tap)
- Suitable for indoor SELV equivalent installations
- Suitable for luminaires of protection classes I and II
- Installation and independent mounting via Cable Clamp Kit possible

Product benefits

- Versatile scope of application due to output power range of up to 60 W
- Efficient and reliable

Product features

- Supply voltage: 220...240 V
- Line frequency: 50 Hz | 60 Hz
- Line voltage: 198...264 V
- Safety according to EN 61347-1, 61347-2-13, 62384
- RI suppression according to EN 55015:2007+A1:2007/CDN
- Line harmonics according to EN 61000-3-2
- Immunity according to EN 61547
- Lifetime: up to 50,000 h (temperature at $T_c = 65^\circ\text{C}$, max. 10 % failure rate)

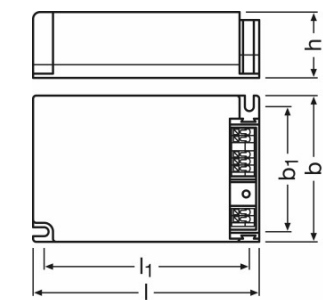
Technical data

Electrical data

Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Input voltage AC	198...264 V ¹⁾
Power factor λ	0.95 ²⁾
ECG efficiency	87 % ³⁾
Device power loss	7.5 W ⁴⁾
Inrush current	16 A ⁵⁾
Surge capability (L-N)	1 kV
Nominal output voltage	27...54 V ⁶⁾
Nominal output current	800 / 925 / 1050 mA ⁷⁾
Nominal output power	50 W ⁸⁾
Galvanic isolation primary/secondary	3.75 kV ⁹⁾

- 1) Permitted voltage range
- 2) Full load at 230 V/50 Hz
- 3) At full load and 230 V
- 4) At 230 V
- 5) $t_{width} = 100 \mu s$ (measured at 50 % I_{peak})
- 6) Maximum 60 V
- 7) $\pm 5\%$
- 8) Partial load 22...56 W
- 9) SELV-equivalent

Dimensions & weight



Length	103.0 mm
Width	67.0 mm
Height	29.5 mm
Mounting hole spacing, length	94.0 mm
Mounting hole spacing, width	58.0 mm

Product datasheet

Product weight	183.00 g
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Temperatures

Ambient temperature range	-20...+50 °C
Maximum temperature at tc test point	85 °C ¹⁾
Max.housing temperature in case of fault	110 °C
Temperature range at storage	-25...75 °C

¹⁾ Maximum at the Tc-point

Lifespan

ECG lifetime	50000 h ¹⁾
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¹⁾ At tcase = 75°C at tc point / 10 % failure rate

Capabilities

Dimmable	No
Overheating protection	Automatic reversible
Overload protection	Automatic reversible
Short-circuit protection	Automatic reversible
No-load proof	Yes
Max. cable length to lamp/LED module	2.0 m
Suitable for fixtures with prot. class	I / II

Certificates & standards

Approval marks – approval	ENEC 10 / VDE / CE
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 61547/Acc. to IEC 61000-3-3
Type of protection	IP20

Logistical data

Temperature range at storage	-25...75 °C
Relative humidity	5...85 % ¹⁾

¹⁾ Non-condensing

Download Data

File	
	Product Datasheet OT Technical DS OTe 50_1A0 CS
	Brochures OPTOTRONIC Compact LED drivers (GB)

Product datasheet

	Certificates ENEC OTe CS CS S
	Certificates VDE EMC approval OTe 10_700 PC and OTe 13_350 PC
	Declarations of conformity EC DoC OTe CS
	CAD data 3-dim OTe 50 CS-cable clamp-3D drawing
	CAD data 3-dim OTe 50 CS-housing-3D drawing
	CAD data 3-dim OTe 50 CS-housing with cable clamp-3D drawing

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899917576	OTe 50/220...240/1A0 CS	Shipping carton box 20	357 mm x 222 mm x 96 mm	7.61 dm ³	3882.00 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.