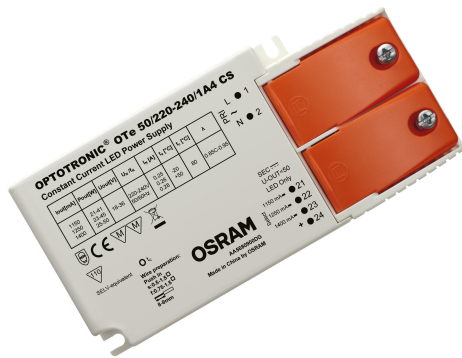


PRODUCT DATASHEET

OTe 50/220...240/1A4 CS

OPTOTRONIC® ECO | Constant Current - Indoor - on/off



Areas of application

- Suitable for use in luminaires with flexible current setting (Tri-Tap)
- Suitable for indoor SELV installations
- Suitable for luminaires of protection classes I and II
- Suitable for downlights, spotlights and LED panels
- Independent mounting via Cable Clamp Kit possible

Product benefits

- Versatile scope of application due to output power range of up to 54 W
- Efficient and reliable

Product features

- Supply voltage: 220...240 V
- Line frequency: 50 Hz | 60 Hz
- Line voltage: 198...264 V
- According to EN 61347-1, 61347-2-13, 62384
- RI suppression: to EN 55015/CISPR 15
- Line harmonics according to EN 61000-3-2
- Immunity according to EN 61547
- Lifetime: up to 50,000 h
- Independent connection via through-looping (depending on version of product)

TECHNICAL DATA

Electrical data

Nominal wattage	50.00 W
Nominal output power	50 W ¹⁾
Nominal voltage	220...240 V
Nominal output voltage	18...36 V ²⁾
Input voltage AC	198...264 V ³⁾
U-OUT (working voltage)	50 V
Nominal output current	1150 mA / 1250 mA / 1400 mA ⁴⁾
Inrush current	16 A
Output current tolerance	±5 %
Output ripple current (100 Hz)	< 25 % ⁵⁾
Mains frequency	50/60 Hz
Total harmonic distortion	< 20 %
Power factor λ	0.95
ECG efficiency	87 % ⁶⁾
Device power loss	7.5 W
Max. ECG no. on circuit breaker 10 A (B)	15
Max. ECG no. on circuit breaker 16 A (B)	25
Max. ECG no. on circuit breaker 25 A (B)	-
Surge capability (L/N-Ground)	1 kV
Surge capability (L-N)	1 kV
Galvanic isolation	SELV

1) Partial load 21...50 W

2) Maximum 50 V

3) Permitted voltage range

4) ±5%

5) Ripple average at 100 Hz %

6) At full load and 230 V

Dimensions & Weight

Length	103.00 mm
Mounting hole spacing, length	94,0 mm
Width	67.00 mm
Height	29.50 mm
Cable cross-section, input side	0.5...1.5 mm ²
Cable cross-section, output side	0.5...1.5 mm ²
Wire preparation length, input side	8.0...9.0 mm

Wire preparation length, output side	8.0...9.0 mm
Product weight	183.00 g

Colors & materials

Casing material	Plastic
Body material	Plastic

Temperatures & operating conditions

Ambient temperature range	-20...+50 °C
Maximum temperature at tc test point	80 °C
Max.housing temperature in case of fault	110 °C
Permitted rel. humidity during operation	5...85 % ¹⁾

¹⁾ Maximum 56 days/year at 85 %

Lifespan

ECG lifetime	50000 h / 35000 h ¹⁾
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¹⁾ $T_c = 75^\circ\text{C}$, with max. 10% failure rate / $T_c = 80^\circ\text{C}$, with max. 10% failure rate

Additional product data

Encapsulated	No
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Capabilities

Dimmable	No
Overheating protection	Automatic reversible
Overload protection	Automatic reversible
No-load proof	Yes
Short-circuit protection	Automatic reversible
Max. cable length to lamp/LED module	2,0 m
Suitable for fixtures with prot. class	I / II
Type of connection, output side	Push terminal

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
Protection class	II
Type of protection	IP20

LOGISTICAL DATA

Temperature range at storage

-25...75 °C

Accessories Optional

Product image	Product name	EAN
	OT CABLE CLAMP B-STYLE	4052899077881
	OT CABLE CLAMP B-STYLE TL	4052899948051

DOWNLOAD DATA

Documents and certificates	Document name
 Declarations of conformity	OTe CS CE 3365227 121119
 Certificates	VDE EMC Certificate 40038482
 Certificates	VDE ENEC Certificate 40038384

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4052899917583	Unpacked 1	103 mm x 29 mm x 67 mm	183.00 g	0.20 dm ³
4052899917644	Shipping box 20	357 mm x 222 mm x 96 mm	3882.00 g	7.61 dm ³

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.