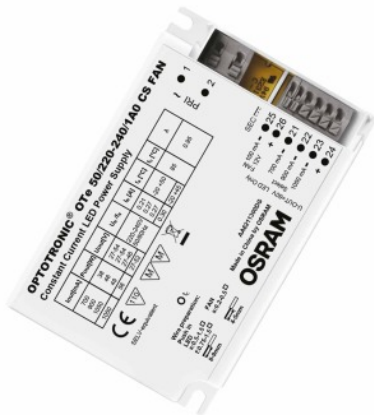


OTe 50/220...240/1A0 CS FAN

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	≥ 88 % ³⁾
Device power loss	8.1 W ⁴⁾
Inrush current	16 A ⁵⁾
Max. ECG no. on circuit breaker 10 A (B)	15
Max. ECG no. on circuit breaker 16 A (B)	25
Surge capability (L-N)	1 kV
Nominal output voltage	27...54 V ⁶⁾
Nominal output current	700 / 900 / 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

3) Typical / At full load and 230 V

4) Maximum

5) $t_{width} = 100 \mu s$ (measured at 50 % I_{peak})

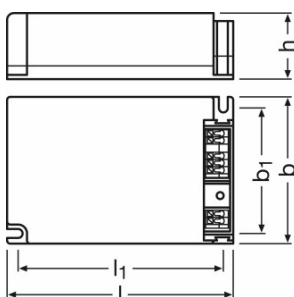
6) Maximum 60 V

7) $\pm 5\%$

8) Partial load 19...56 W

9) SELV-equivalent

Dimensions & weight



Length	103.0 mm
Width	67.0 mm
Height	29.5 mm

Product datasheet

Mounting hole spacing, length	94.0 mm
Mounting hole spacing, width	58.0 mm
Product weight	188.00 g
Cable cross-section, input side	0.5...1.5 mm ² ¹⁾
Cable cross-section, output side	0.5...1.5 mm ² ²⁾
Wire preparation length, input side	8.0...9.0 mm
Wire preparation length, output side	8.0...9.0 mm ³⁾

¹⁾ Solid leads

²⁾ Solid leads / FAN only 0.2...0.5 mm²

³⁾ FAN output 4.0...5.0 mm

Colors & materials

Casing material	Plastic
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Temperatures

Ambient temperature range	-20...+50 °C
Maximum temperature at tc test point	95 °C ¹⁾
Max.housing temperature in case of fault	110 °C
Temperature range at storage	-20...70 °C

¹⁾ Maximum at the Tc-point

Lifespan

ECG lifetime	50000 h ¹⁾
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¹⁾ At tcase = 85°C at tc point / 10 % failure rate

Capabilities

Dimmable	No
Overheating protection	Automatic reversible
Overload protection	Automatic reversible
Short-circuit protection	Automatic reversible
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 / CE / RCM
Standards	Acc. to EN 61347-1/Acc. to EN 61347-2-13/Acc. to IEC 62384/Acc. to CISPR 15/Acc. to IEC 61000-3-2/Acc. to IEC 61000-3-3/Acc. to IEC 61547
Type of protection	IP20







Logistical data

Product datasheet

Temperature range at storage	-20...70 °C
Relative humidity	5...85 % ¹⁾

¹⁾ Maximum 56 days/year at 85 %

Download Data

File	
	Product Datasheet OT Technical DS OTe 50220-2401A0 CS FAN
	Brochures OPTOTRONIC Compact LED drivers (GB)
	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 50220-2401A0 CS FAN IGS
	CAD data 3-dim OTe 50220-2401A0 CS FAN STEP

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899919396	OTe 50/220...240/1A0 CS FAN	Shipping carton box 20	355 mm x 220 mm x 96 mm	7.50 dm ³	3982.00 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.