

## OT FIT 25/220...240/500 CS

OPTOTRONIC FIT | Compact Constant Current – Non dimmable



### Areas of application

- Installation in emergency lighting systems according to IEC 61347-2-3, appendix J
- Suitable for use in luminaires with flexible current setting (Tri-Tap)
- Suitable for use in emergency lighting systems (DC capable)
- 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 50 W
- Safety requirement due to overload, overtemperature, Hot Plug protection
- High efficiency and reliability
- Higher quality of light thanks to low output ripple current

### Product features

- Supply voltage: 220...240 V
- Line frequency: 0 Hz | 50 Hz | 60 Hz
- Line voltage: 198...264 V
- Safety according to EN 61347-1, 61347-2-3, 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 100,000 h (temperature at  $T_c = 65\text{ }^\circ\text{C}$ , max. 10 % failure rate)
- LED protection by Hot Plug

Technical data

Electrical data

Nominal voltage	200...240 V
Mains frequency	50...60 Hz
Input voltage AC	198...264 V <sup>1)</sup>
Input voltage DC	176...276 V
Power factor $\lambda$	0.95/0.85 <sup>2)</sup>
ECG efficiency	85 % <sup>3)</sup>
Device power loss	4.0 W <sup>4)</sup>
Inrush current	24 A <sup>5)</sup>
Max. ECG no. on circuit breaker 10 A (B)	17
Max. ECG no. on circuit breaker 16 A (B)	28
Surge capability (L-N)	1 kV
Nominal output voltage	27...54 V <sup>6)</sup>
U-OUT (working voltage)	60 V
Nominal output current	400 / 450 / 500 mA <sup>7)</sup>
Output current tolerance	±10 %
Nominal output power	27 W <sup>8)</sup>
Galvanic isolation	SELV equivalent
Galvanic isolation primary/secondary	3.75 kV <sup>9)</sup>

<sup>1)</sup> Permitted voltage range

<sup>2)</sup> Full load at 230 V/Half load at 230 V

<sup>3)</sup> At full load and 230 V

<sup>4)</sup> Maximum

<sup>5)</sup>  $t_{width} = 174 \mu s$  (measured at 50 %  $I_{peak}$ )

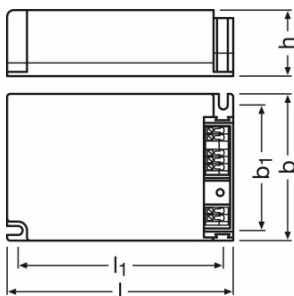
<sup>6)</sup> Maximum 60 V

<sup>7)</sup> ±10%

<sup>8)</sup> Partial load 11...27 W

<sup>9)</sup> SELV-equivalent

## Dimensions & weight



<b>Length</b>	103.0 mm
<b>Width</b>	67.0 mm
<b>Height</b>	29.5 mm
<b>Mounting hole spacing, length</b>	94.0 mm
<b>Mounting hole spacing, width</b>	58.0 mm
<b>Product weight</b>	165.00 g
<b>Cable cross-section, input side</b>	0.2...1.5 mm <sup>2</sup> <sup>1)</sup>
<b>Cable cross-section, output side</b>	0.2...1.5 mm <sup>2</sup> <sup>1)</sup>
<b>Wire preparation length, input side</b>	8.5...9.5 mm
<b>Wire preparation length, output side</b>	8.5...9.5 mm

<sup>1)</sup> Solid or flexible leads

## Colors & materials

<b>Casing material</b>	Plastic
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## Temperatures

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

<sup>1)</sup> Maximum at the Tc-point

## Lifespan

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

## Capabilities

<b>Dimmable</b>	No
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## Product datasheet

<b>Overheating protection</b>	Automatic reversible
<b>Overload protection</b>	Automatic reversible
<b>Short-circuit protection</b>	Automatic reversible <sup>1)</sup>
<b>No-load proof</b>	Yes
<b>Max. cable length to lamp/LED module</b>	2.0 m
<b>Suitable for fixtures with prot. class</b>	I / II

<sup>1)</sup> A short circuit current of max. 1 A may occur. Make sure the load is designed to withstand the short circuit current as well

### Certificates & standards







<b>Approval marks – approval</b>	ENEC 10 / VDE / EMC / EL / CE
<b>Standards</b>	Acc. to EN 61347-1/Acc. to EN 61347-2-13/Acc. to EN 55015/Acc. to EN 61547/Acc. to EN 61000-3-2/Acc. to EN 62384
<b>Protection class</b>	II
<b>Type of protection</b>	IP20

### Logistical data

<b>Temperature range at storage</b>	-25...85 °C
<b>Relative humidity</b>	5...85 % <sup>1)</sup>

<sup>1)</sup> Maximum 56 days/year at 85 %

### Download Data

File	
	Product Datasheet Datasheet_OT FIT 25220-240500 CS
	Brochures OPTOTRONIC Compact LED drivers (GB)
	Certificates CB Certification OT FIT CS
	Certificates ENEC Certification_OT FIT CS
	Certificates Inotec Declaration - Part II - OT FIT CS
	Declarations of conformity DoC_OT FIT CS

### Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899919419	OT FIT 25/220...240/500 CS	Shipping carton box 20	355 mm x 220 mm x 96 mm	7.50 dm <sup>3</sup>	3522.00 g

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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.

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### Disclaimer

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