

OT FIT 50/220...240/300 D L

OPTOTRONIC FIT D L | Linear / Area Constant Current – Non dimmable



Areas of application

- Installation in emergency lighting systems according to IEC 61347-2-13, appendix J
- Luminaires with fixed current
- Suitable for luminaires of protection class I

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
- High quality of light thanks to low output ripple current
- Small housing design

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)
- Non-isolated drivers

Technical data

Electrical data

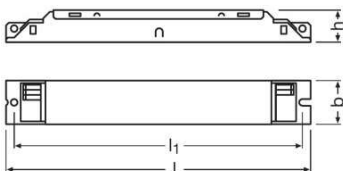
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Input voltage AC	198...264 V ¹⁾
Input voltage DC	176...276 V
Total harmonic distortion	< 20 %
Power factor λ	> 0.95
ECG efficiency	>90 %
Device power loss	5.0 W ²⁾
Protective conductor current	<2.0 mA
Max. ECG no. on circuit breaker 10 A (B)	35
Max. ECG no. on circuit breaker 16 A (B)	56
Max. ECG no. on circuit breaker 25 A (B)	89
Surge capability (L/N-Ground)	2 kV
Surge capability (L-N)	1 kV
Nominal output voltage	54...175 V
U-OUT (working voltage)	< 250 V
Nominal output current	300 mA ³⁾
Output current tolerance	± 10 %
Output ripple current (100 Hz)	< 10 %
Nominal output power	16.2...52.5 W
Galvanic isolation	Non isolated

1) Permitted voltage range

2) Maximum

3) ± 5 %

Dimensions & weight



Product datasheet

Length	210.0 mm
Width	30.0 mm
Height	21.0 mm
Mounting hole spacing, length	200.0 mm
Product weight	125.00 g
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	8.5...9.5 mm
Wire preparation length, output side	8.5...9.5 mm

Colors & materials

Casing material	Metal
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Temperatures & operating conditions

Ambient temperature range	-15...+50 °C
Maximum temperature at tc test point	75 °C
Max.housing temperature in case of fault	110 °C
Permitted rel. humidity during operation	5...85 %

Lifespan

ECG lifetime	50000 h
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Additional product data

Encapsulated	No
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Capabilities

Dimmable	No
Overheating protection	Automatic reversible
Overload protection	Automatic reversible
Short-circuit protection	Yes
No-load proof	Yes
Max. cable length to lamp/LED module	2.0 m
Suitable for fixtures with prot. class	I
Suitable for emergency lighting	Yes
Type of connection, output side	Push terminal
Number of channels	1

Certificates & standards

Approval marks – approval	CE / EL / VDE-EMC / ENEC 10 / CCC / RCM
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Product datasheet

Standards	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/Acc. to EN 62386
Protection class	I
Type of protection	IP20

Logistical data

Temperature range at storage	-25...85 °C
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Download Data

File	
	Product Datasheet 728917_OT FIT 50220240300 D L
	Certificates 730563_VDE Certificate
	Certificates 730564_VDE Certificate
	Declarations of conformity 541447_DoC OT FIT D L

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899469884	OT FIT 50/220...240/300 D L	Shipping carton box 20	234 mm x 161 mm x 101 mm	3.81 dm ³	2665.00 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.