

OT FIT 50/220...240/250 D L

OPTOTRONIC FIT D LT2 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 flexible current setting via LEDset interface
- Suitable for luminaires of protection class I

Product benefits

- Versatile scope of application due to output power range of up to 120 W
- Safety requirement due to overload, overtemperature, Hot Plug protection
- High efficiency and reliability
- High quality of light thanks to low output ripple current
- Flexible current control via LEDset interface

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
Current set	Fixed current
Total harmonic distortion	< 20 %
Power factor λ	> 0.95 ²⁾
ECG efficiency	>90 % ³⁾
Device power loss	5.0 W ⁴⁾
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)	-
Surge capability (L/N-Ground)	2 kV
Surge capability (L-N)	1 kV
Nominal output voltage	54...216 V
U-OUT (working voltage)	< 250 V
Nominal output current	250 mA ⁵⁾
Output current tolerance	±10 %
Output ripple current (100 Hz)	< 10 %
Nominal output power	13.5...54 W ⁶⁾
Galvanic isolation	Non isolated

1) Permitted voltage range

2) Full load at 230 V

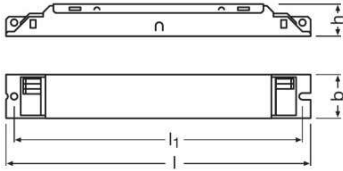
3) At full load and 230 V

4) Maximum

5) ±10%

6) Partial load 14...54 W

Dimensions & weight



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 ¹⁾
Cable cross-section, output side	0.5...1.5 mm ² ¹⁾
Wire preparation length, input side	8.5...9.5 mm
Wire preparation length, output side	8.5...9.5 mm

¹⁾ Solid or flexible leads

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 ¹⁾
Max.housing temperature in case of fault	110 °C
Permitted rel. humidity during operation	5...85 %

¹⁾ Maximum at the Tc-point

Lifespan

ECG lifetime	50000 h ¹⁾
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¹⁾ At $T_{case} = 75^{\circ}C$ at $T_{c\ point} / 10\%$ failure rate

Additional product data

Encapsulated	No
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Product datasheet

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
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 544590_data sheet OF FIT 50 250
	Brochures 538835_Poster OPTOTRONIC LED drivers (EN)
	Certificates 730563_VDE Certificate
	Certificates 730564_VDE Certificate
	Certificates 544466_CD Test Certificate
	Declarations of conformity 541447_DoC OT FIT D L

Logistical Data

Product datasheet

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899222571	OT FIT 50/220...240/250 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.