

OT FIT 55/220...240/1A0 CS L G2

OPTOTRONIC FIT CS L G2 | Linear / Area Constant Current – Non dimmable

Areas of application

- Linear lighting for office, education, industry, storage areas and retail
- Installation in emergency lighting systems according to IEC 61347-2-13, appendix J
- Suitable for luminaires of protection class I



Product benefits

- Flexible current setting (DIPswitch – 4 currents)
- Lifetime: up to 100,000 h (temperature at $T_c = 65^\circ\text{C}$, max. 10 % failure rate)
- High efficiency
- High quality of light thanks to low output ripple current
- Fulfill safety requirement due to overload, overtemperature, Hot Plug protection

Product features

- Line frequency: 0 Hz | 50 Hz | 60 Hz
- Versatile scope of application due to output power range of up to 75 W
- Supply voltage: 220...240 V
- Available with output current range: up to 1,400 mA
- SELV system

Product datasheet

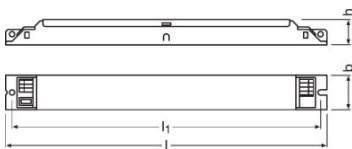
Technical data

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	DipSwitch
Total harmonic distortion	< 10 %
Power factor λ	0.98
ECG efficiency	≤ 89 %
Device power loss	7.0 W
Inrush current	20 A
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)	2 kV
Surge capability (L-N)	1 kV
Nominal output voltage	27...51 V
U-OUT (working voltage)	< 60 V
Nominal output current	800 / 900 / 975 / 1050 mA
Output current tolerance	± 7.5 %
Output ripple current (100 Hz)	< 5 %
Nominal output power	21.6...53.6 W
Galvanic isolation	SELV

¹⁾ Permitted voltage range

Dimensions & weight



Length	280.0 mm
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Product datasheet

Width	30.0 mm
Height	21.0 mm
Mounting hole spacing, length	270.0 mm
Product weight	217.00 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	-25...+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 %

Lifespan

ECG lifetime	50000 h ¹⁾
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¹⁾ At maximum T_c = 75°C / 10% failure rate

Additional product data

Encapsulated	No
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Capabilities

Dimmable	No
Overheating protection	Automatic reversible
Overload protection	Non-reversible
Short-circuit protection	Automatic reversible
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 / ENEC 10 / VDE-EMC / CCC / RCM
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Product datasheet

Standards	Acc. to EN 61347-1/Acc. to EN 61347-2-13/Acc. to EN 62384/Acc. to EN 61000-3-2/Acc. to EN 61000-3-3/Acc. to EN 61547
Protection class	I
Type of protection	IP20

Logistical data

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

File	
	User instruction User Instruction OT_FIT_35_55_75_220-240_D_LT2_L
	Product Datasheet OT FIT 55220–2401050 CS L G2
	Certificates VDE ENEC Certificate 40046756
	Certificates VDE EMC Certificate 40046714
	Declarations of conformity 711957_Declaration of Conformity OT FIT CS L

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899522558	OT FIT 55/220...240/1A0 CS L G2	Shipping carton box 20	303 mm x 159 mm x 101 mm	4.87 dm ³	4419.00 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.