

PRODUCT DATASHEET

OT FIT 75/220...240/1A4 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 $T_c = 65\text{ °C}$, 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

TECHNICAL DATA

Electrical data

Nominal wattage	93.00 W
Nominal output power	29.7...71.4 W
Nominal voltage	220...240 V
Nominal output voltage	27...51 V
Input voltage AC	198...264 V ¹⁾
Input voltage DC	176...276 V
U-OUT (working voltage)	< 60 V
Nominal output current	1100 mA / 1200 mA / 1300 mA / 1400 mA
Inrush current	40 A
Output current tolerance	±7,5 %
Output ripple current (100 Hz)	< 5 %
Mains frequency	0/50/60 Hz
Total harmonic distortion	< 20 %
Power factor λ	0.98
ECG efficiency	≤87 %
Device power loss	11 W
Max. ECG no. on circuit breaker 10 A (B)	8
Max. ECG no. on circuit breaker 16 A (B)	13
Max. ECG no. on circuit breaker 25 A (B)	-
Surge capability (L/N-Ground)	2 kV
Surge capability (L-N)	1 kV
Galvanic isolation	SELV

1) Permitted voltage range

Photometrical data

Flickering metric (Pst LM)	≤1
Stroboscope effect metric (SVM)	≤0.4

Dimensions & Weight



Length	360.00 mm
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Mounting hole spacing, length	350,0 mm
Width	30.00 mm
Height	21.00 mm
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
Product weight	290.00 g

Colors & materials

Casing material	Metal
Body material	Metal

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 % ¹⁾

¹⁾ Maximum 56 days/year at 85 %

Lifespan

ECG lifetime	50000 h / 100000 h ¹⁾
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¹⁾ At maximum T_c = 75°C / 10% failure rate / At T_c = 65°C / 10% failure rate

Additional product data

Encapsulated	No
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Capabilities

Dimmable	No
Overheating protection	Automatic reversible
Overload protection	Non-reversible
No-load proof	Yes
Short-circuit protection	Automatic reversible
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




Certificates & Standards

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

Documents and certificates	
	User instruction
	Declarations Of Conformity CE
	Certificates

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4052899522572	Unpacked 1			
4052899522589	Shipping box 20	385 mm x 160 mm x 100 mm	5971.00 g	6.16 dm ³

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.