OSRAM

PRODUCT DATASHEET
OT FIT 75/220…240/550 D NFC L

OPTOTRONIC® FIT D NFC L | 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 installation in emergency lighting systems according to EN 60598-2-22
– Suitable for luminaires of protection class I

Product benefits

– Flexible and future-proof current setting via NFC (Near Field Communication)
– Lifetime: up to 100,000 h (temperature at T_C = 65 °C, max. 10 % failure rate)
– High quality of light thanks to <1% output ripple current
– Very high efficiency
– Fulfill safety requirement due to overload, overtemperature 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
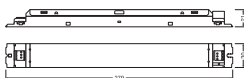– Available with output current range: up to 550 mA
– Non-isolated drivers

TECHNICAL DATA

Electrical data

Nominal wattage	75.00 W
Nominal output power	10…75 W
Nominal voltage	220…240 V
Nominal output voltage	54…216 V
Input voltage AC	198…264 V
Input voltage DC	176…276 V
Nominal output current	125…550 mA [1]
Inrush current	41 A
Output ripple current (100 Hz)	< 1 %
Mains frequency	50/60 Hz
Power factor λ	> 0.95
ECG efficiency	up to 94 %
Device power loss	7 W
Max. ECG no. on circuit breaker 10 A (B)	16
Max. ECG no. on circuit breaker 16 A (B)	26
Max. ECG no. on circuit breaker 25 A (B)	-
Surge capability (L/N-Ground)	2 kV
Surge capability (L-N)	1 kV
Galvanic isolation	Non isolated

[1] ±5%

Dimensions & Weight

Length	280.00 mm
Mounting hole spacing, length	270,0 mm
Width	30.00 mm
Height	21.00 mm
Cable cross-section, input side	0.5…1.5 mm²
Cable cross-section, output side	0.5…1.5 mm²
Wire preparation length, input side	8.0…9.0 mm
Product weight	180.00 g

Colors & materials

Casing material	Metal
Body material	Metal

Temperatures & operating conditions

Ambient temperature range	-25…+50 °C
Maximum temperature at tc test point	75 °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]

[1] At maximum T_c = 75°C / 10% failure rate / At T_c = 65°C / 10% failure rate

Additional product data

Encapsulated	No

Capabilities

Dimmable	No
Overheating protection	Automatic reversible
Overload protection	Automatic 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

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	-40…+85 °C

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	OPTOTRONIC LED Power Supply
PDF	Declarations of conformity	INOTEC-Conformity declaration AM10971 OT FIT 75/220-240/550 D NEC L
PDF	Declarations of conformity	EATON(CEAG)-Conformity declaration AM10971 OT FIT 75/220-240/550 D NFC L
PDF	Declarations of conformity	EU Declaration of Conformity 3694918
PDF	Certificates	VDE EMC Certificate 40044675 (EN)
PDF	Certificates	OT EMC 40050085 200220
PDF	Certificates	VDE ENEC Certificate 40038085
PDF	Certificates	730563_VDE Certificate

	CAD/BIM files	Document name
ZIP	CAD data 3D PDF	CAD data PDF OT FIT 35,75/D NFC L

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4052899990180	Unpacked 1		215.00 g	
4052899990197	Shipping box 20	305 mm x 161 mm x 104 mm	3777.00 g	5.11 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.