

OT FIT 35/220...240/350 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 family benefits

- Flexible and future-proof current setting via NFC (Near Field Communication)
- Lifetime: up to 100,000 h (temperature at $T_c = 65\text{ °C}$, 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 family 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

Product datasheet

Technical data

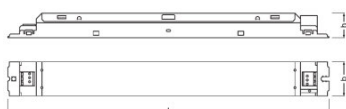
Electrical data

Nominal input voltage	220...240 V
Mains frequency	50/60 Hz
Input voltage AC	198...264 V
Input voltage DC	176...276 V
Current set	NFC ¹⁾
Power factor λ	> 0.95
ECG efficiency	up to 93 %
Device power loss	4.0 W
Inrush current	30 A
Max. ECG no. on circuit breaker 10 A (B)	19
Max. ECG no. on circuit breaker 16 A (B)	30
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
Nominal output current	75...350 mA ²⁾
Output ripple current (100 Hz)	< 1 %
Nominal output power	6.1...35 W
Galvanic isolation	Non isolated

¹⁾ Factory setting: minimum nominal output current

²⁾ Factory setting: 75 mA

Dimensions & weight



Mounting hole spacing, length	270.0 mm
Product weight	180.00 g
Cable cross-section, input side	0.5...1.5 mm ²

Product datasheet

Cable cross-section, output side	0.5...1.5 mm ²
Wire preparation length, input side	8.0...9.0 mm
Length	280.0 mm
Width	30.0 mm
Height	21.0 mm

Temperatures & operating conditions

Ambient temperature range	-25...+60 °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 / 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	Automatic 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
Number of channels	1

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
Type of protection	IP20

Logistical data

Temperature range at storage	-40...85 °C
Commodity code	850440829000

Product datasheet

Download Data

File	
	User instruction OPTOTRONIC LED Power Supply
	Certificates VDE EMC Certificate 40011668
	Certificates VDE ENEC Certificate 40038085
	Declarations of conformity EU Declaration of Conformity 3694918
	Declarations of conformity EATON(CEAG)-Conformity declaration AM10972 OT FIT 35220-240350 D NFC L
	Declarations of conformity INOTEC-Conformity declaration AM10972 OT FIT 35220-240350 D NFC L

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899990166	OT FIT 35/220...240/350 D NFC L	Shipping carton box 20	305 mm x 161 mm x 104 mm	5.11 dm ³	3777.00 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.