

# 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  $_{\rm C}$  = 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  $\mid$  50 Hz  $\mid$  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	1075 W
Nominal voltage	220240 V
Nominal output voltage	54216 V
Input voltage AC	198264 V
Input voltage DC	176276 V
Nominal output current	125550 mA <sup>1)</sup>
Inrush current	41 A
Output ripple current (100 Hz)	< 1 %
Mains frequency	50/60 Hz
Power factor $\lambda$	> 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

<sup>1) &</sup>lt;sub>±5%</sub>

# 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	0.51.5 mm <sup>2</sup>
Cable cross-section, output side	0.51.5 mm <sup>2</sup>
Wire preparation length, input side	8.09.0 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	585 % <sup>1)</sup>

<sup>1)</sup> Maximum 56 days/year at 85 %

### Lifespan

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

## Additional product data

## 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	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	
Protection class	1	
Type of protection	IP20	

## LOGISTICAL DATA

	Temperature range at storage	-40+85 °C
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# DOWNLOAD DATA

	Documents and certificates	Document name	
POF	User instruction / safety instructions	OPTOTRONIC LED Power Supply	
POF	Declarations of conformity	INOTEC-Conformity declaration AM10971 OT FIT 75/220-240/550 D NEC L	
POF	Declarations of conformity	EATON(CEAG)-Conformity declaration AM10971 OT FIT 75/220-240/550 D NFC L	
POF	Declarations of conformity	EU Declaration of Conformity 3694918	
POF	Certificates	VDE EMC Certificate 40044675 (EN)	
POF	Certificates	OT EMC 40050085 200220	
PDF	Certificates	VDE ENEC Certificate 40038085	
POF	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 <sup>3</sup>

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.