OSRAM

OT FIT 75/220...240/550 D NFC IND L

OPTOTRONIC FIT D NFC IND L | Linear / Area Constant Current – Non dimmable

Areas of application

- Linear lighting solutions for industry, storage areas and retail applications
- 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 and LT2
- Lifetime: up to 100,000 h (temperature at T_C = 75 °C, max. 10 % failure rate)
- Wide operating temperature range: -40...+65 °C
- High quality of light thanks to <1% output ripple current
- High surge protection: up to 4 kV (L-N) / 4 kV (L/N-PE)
- Very high efficiency (up to 96%)
- Integrated inrush current limiter
- Fulfill safety requirement due to overload, overtemperature, Hot Plug protection

Product family features

- Line frequency: 0 Hz | 50 Hz | 60 Hz
- Versatile scope of application due to output power range of up to 150 W
- Supply voltage: 220...240 V
- Available with output current range: up to 1,000 mA
- Constant Lumen Output (CLO)
- Non-isolated drivers
- Constant Lumen Output (CLO)

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Technical data

Electrical data

Nominal input voltage	220...240 V
Mains frequency	0/50/60 Hz
Input voltage AC	198...264 V
Input voltage DC	176...276 V
Current set	NFC
Power factor λ	> 0.98
ECG efficiency	up to 94 %
Device power loss	8.0 W
Inrush current	≤ 4 A
Max. ECG no. on circuit breaker 10 A (B)	20
Max. ECG no. on circuit breaker 10 A (C)	-
Max. ECG no. on circuit breaker 16 A (B)	32
Max. ECG no. on circuit breaker 16 A (C)	-
Max. ECG no. on circuit breaker 25 A (B)	-
Surge capability (L/N-Ground)	4 kV
Surge capability (L-N)	4 kV
Nominal output voltage	64...300 V
Nominal output current	125...550 mA
Default output current	125 mA
Output ripple current (100 Hz)	≤ 1 %
Nominal output power	8.0...75 W
Galvanic isolation	Non isolated

Dimensions & weight

Mounting hole spacing, length	350.0 mm
Product weight	265.00 g
Cable cross-section, input side	0.5...1.5 mm²
Wire preparation length, input side	8.0...9.0 mm
Length	360.0 mm
Width	30.0 mm
Height	21.0 mm

Temperatures & operating conditions

Ambient temperature range	-25...+60 °C
Maximum temperature at tc test point	85 °C
Max.housing temperature in case of fault	110 °C

Temperature range at storage	-40...+85 °C
Permitted rel. humidity during operation	5...85 % [1]

[1] Maximum 56 days/year at 85 %

Lifespan

ECG lifetime	50000 / 100000 h

Additional product data

Encapsulated	No

Capabilities

Dimmable	No
Overheating protection	Yes
Overload protection	Yes
Short-circuit protection	Yes
No-load proof	Yes
Max. cable length to lamp/LED module	2.0 m
Suitable for fixtures with prot. class	I
Control interface	NFC
Number of channels	1

Programming

Tuner4TRONIC	Yes
Tuner4TRONIC Field App	Yes
Programming device	FEIG

Certificates & standards

Approval marks – approval	CE / VDE-ENEC / EAC / CCC / BIS / RCM
Standards	Acc. to IEC 61347-1/Acc. to IEC 61347-2-13/Acc. to IEC 62384/Acc. to IEC 62386/Acc. to IEC 61000-3-2/Acc. to IEC 61000-3-3/Acc. to IEC 61547
Type of protection	IP20

Logistical data

Commodity code	850440829000

Download Data

File

Product datasheet

	User instruction
	OPTOTRONIC LED Power Supply

	Declarations of conformity
	OT FIT D NFC IND L CE 3695761 130320

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172139694	OT FIT 75/220...240/550 D NFC IND L	Shipping carton box 20	385 mm x 160 mm x 100 mm	6.16 dm³	5746.00 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.

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