

OT FIT 100/220...240/750 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

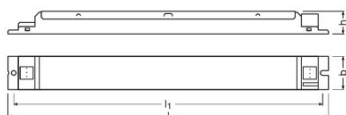


Technical data

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	≥ 0.95
ECG efficiency	up to 95 %
Device power loss	5.5 W
Inrush current	39 A
Max. ECG no. on circuit breaker 10 A (B)	10
Max. ECG no. on circuit breaker 10 A (C)	-
Max. ECG no. on circuit breaker 16 A (B)	16
Max. ECG no. on circuit breaker 16 A (C)	-
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	250...750 mA
Default output current	250 mA
Output ripple current (100 Hz)	$\leq 1 \%$
Output PSTLM	≤ 1
Output SVM	≤ 0.4
Nominal output power	13...100 W
Galvanic isolation	Non isolated

Dimensions & weight



Product datasheet

Mounting hole spacing, length	270.0 mm
Product weight	220.00 g
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	8.0...9.0 mm
Length	280.0 mm
Width	30.0 mm
Height	21.0 mm

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
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	100000 h
--------------	----------

Additional product data

Encapsulated	No
--------------	----

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	10 m
Suitable for fixtures with prot. class	I
Control interface	-
Number of channels	1

Programming

Tuner4TRONIC	Yes
Tuner4TRONIC Field App	Yes
Programming device	FEIG

Product datasheet









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
 User instruction OPTOTRONIC LED Power Supply
 Certificates OT FIT OTI DALI CB DE1 62965 270220
 Certificates OT ENEC 40038085 130720
 Declarations of conformity OT FIT D NFC L CE 3694918 140120
 CAD data OT FIT 100 D NFC L IGS 270220
 CAD data OT FIT 100 D NFC L STEP 270220
 CAD Data 2-dim OT FIT 100 D NFC L CAD2PDF 270220
 CAD data 3-dim OT FIT 100 D NFC L CAD3PDF 270220

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172122863	OT FIT 100/220...240/750 D NFC L	Shipping carton box 20	305 mm x 161 mm x 104 mm	5.11 dm ³	4577.00 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.

Product datasheet

Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.