

OT FIT 75/220...240/500 D NFC FL

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



Areas of application

- Linear and area lighting
- Industry lighting
- Suitable for luminaires of protection class I

Product family benefits

- Flat housing (16 mm height) for innovative luminaire designs and applications
- Flexible and future-proof current setting via NFC (Near Field Communication)
- Lifetime: up to 100,000 h (temperature at $T_c = 65^\circ\text{C}$, max. 10 % failure rate)
- Higher 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
- Constant Lumen Output (CLO)
- Supply voltage: 220...240 V
- Available with output current range: up to 500 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	> 0.98
ECG efficiency	up to 94 %
Device power loss	6.0 W
Inrush current	20.8 mA
Max. ECG no. on circuit breaker 10 A (B)	17
Max. ECG no. on circuit breaker 10 A (C)	-
Max. ECG no. on circuit breaker 16 A (B)	38
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	125...500 mA
Default output current	125 mA
Nominal output power	10...75 W

Dimensions & weight



Mounting hole spacing, length	270.0 mm
Product weight	205.00 g
Cable cross-section, input side	0.5...1.5 mm ²
Cable cross-section, output side	0.5...1.5 mm ²

Product datasheet

Wire preparation length, input side	8.0...9.0 mm
Length	280.0 mm
Width	30.0 mm
Height	16.0 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
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
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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

Programming

Tuner4TRONIC	Yes
Tuner4TRONIC Field App	No
Programming device	FEIG

Certificates & standards






Approval marks – approval	CE / VDE-ENEC / EAC / CCC / BIS
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

Product datasheet

Logistical data

Commodity code	850440829000
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Download Data

File
 User instruction OPTOTRONIC LED Power Supply
 Certificates OT FIT OTI DALI CB DE1 62965 270220
 Certificates OT ENEC 40038085 200220
 Certificates OT EMC 40044675 170420
 Declarations of conformity OT FIT D NFC FL CE 3976681 281119

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
— 4062172063968	OT FIT 75/220...240/500 D NFC FL	Shipping carton box 20	300 mm x 128 mm x 106 mm	4.07 dm ³	4223.00 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.