

OT FIT 75/220...240/700 D LT2 UF L

OPTOTRONIC FIT D LT2 UF 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 luminaires of protection class I

Product family benefits

- Ultra-flat housing (11 mm height) for innovative luminaire designs and applications
- Flexible and future-proof current setting via NFC and LT2
- Lifetime: up to 100,000 h (temperature at $T_C = 65\text{ }^\circ\text{C}$, max. 10 % failure rate)
- Higher quality of light thanks to <1% output ripple current
- Very high efficiency
- Fulfill safety requirement due to overload, overtemperature, Hot Plug protection

Product family features

- Line frequency: 0 Hz | 50 Hz | 60 Hz
- Versatile window driver up to 75 W due to flexible output characteristic
- Supply voltage: 220...240 V
- Available with output current range: up to 700 mA
- Non-isolated drivers

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	LEDset2 / NFC
Power factor λ	> 0.95
ECG efficiency	up to 93 %
Device power loss	7.0 W
Inrush current	20 A
Max. ECG no. on circuit breaker 10 A (B)	12
Max. ECG no. on circuit breaker 10 A (C)	-
Max. ECG no. on circuit breaker 16 A (B)	20
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...240 V
Nominal output current	150...700 mA
Nominal output power	8.0...75 W
Galvanic isolation	Non isolated
Output ripple current (100 Hz)	< 1 %

Dimensions & weight



Mounting hole spacing, length	350.0 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	360.0 mm
Width	30.0 mm
Height	11.0 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
Permitted rel. humidity during operation	5...85 %

Lifespan

ECG lifetime	100000 / 50000 h ¹⁾
--------------	--------------------------------

¹⁾ At maximum $T_c = 75^\circ\text{C}$ / 10% failure rate / At $T_c = 65^\circ\text{C}$ / 10% failure rate

Expected Lifetime

Product name				
OT FIT 75/220...240/700 D LT2 UF L	ECG ambient temperature [ta]	50	-	-
	Temperature at tc-point [°C]	75	-	-
	Lifetime [h]	50000 ¹⁾	-	-

¹⁾ Max. 10% failure rate at tc max and input voltage 230 V_{AC}

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	2.0 m
Suitable for fixtures with prot. class	I
Number of channels	1

Product datasheet







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

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 3661214
 Declarations of conformity EATON(CEAG) Conformity declaration AM17671_OT_FIT75_220-240_700_D_LT2_UF_L
 Declarations of conformity INOTEC Conformity declaration AM17671_OT_FIT75_220-240_700_D_LT2_UF_L

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899590984	OT FIT 75/220...240/700 D LT2 UF L	Shipping carton box 20	385 mm x 160 mm x 66 mm	4.07 dm ³	3717.00 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.