

## OT FIT 25/220-240/500 NFC L

OPTOTRONIC FIT NFC L (SELV) | Linear / Area Constant Current – Non dimmable



### 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 1,400 mA
- SELV driver

### Product family benefits

- Flexible and future-proof current setting via NFC (Near Field Communication)
- Lifetime: up to 100,000 h (temperature at  $T_c = 65^\circ\text{C}$ , max. 10 % failure rate)
- Fulfilling SVM ( $\leq 0.4$ ) and PsT ( $\leq 1.0$ ) standards
- Higher quality of light thanks to  $< 1\%$  output ripple current
- Very high efficiency
- Fulfill safety requirement due to overload, overtemperature protection

## 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

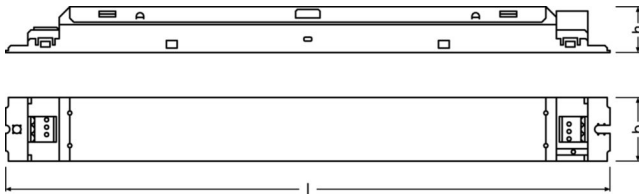
## Technical data

### Electrical data

Nominal input voltage	220...240 V
Nominal output current	170...500 mA
Nominal output power	8...25 W
Nominal output voltage	20...51 V
Maximum output power	25 W
Mains frequency	50/60 Hz
Input voltage AC	198...264 V
Input voltage DC	176...276 V
Device power loss	2.0 W
Efficiency in full-load	87 % <sup>1)</sup>
Inrush current	≤ 16 A
Max. ECG no. on circuit breaker 10 A (B)	50
Max. ECG no. on circuit breaker 16 A (B)	90
Output PSTLM	≤1
Output SVM	≤0.4
Power factor λ	0.61C...0.95
Surge capability (L-N)	1 kV
Surge capability (L/N-Ground)	2 kV
Current set	NFC

1) at 230 V, 50 Hz

## Dimensions & weight



Length	280.0 mm
Height	21.0 mm
Width	30.0 mm
Product weight	170.00 g
Cable cross-section, input side	0.5... 1.5 mm <sup>2</sup>
Wire preparation length, input side	8.0...9.0 mm
Wire preparation length, output side	8.0...9.0 mm
Mounting hole spacing, length	270.0 mm

## Colors & materials

Casing material	Metal
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## Temperatures & operating conditions

Ambient temperature range	-25...+60 °C
Max.housing temperature in case of fault	110 °C
Maximum temperature at tc test point	75 °C
Permitted rel. humidity during operation	5...85 % <sup>1)</sup>
Temperature range at storage	-40...+85 °C

1) Maximum 56 days/year at 85 %

## Lifespan

ECG lifetime	100000 h
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## Capabilities

Dimmable	No
Max. cable length to lamp/LED module	2.0 m <sup>1)</sup>
Overload protection	Automatic reversible
Overheating protection	Automatic reversible
Suitable for emergency lighting	Yes
Suitable for fixtures with prot. class	I
Intended for no-load operation	No
No-load proof	Yes
Number of channels	1
Short-circuit protection	Automatic reversible

1) Output wires must be routed as close as possible to each other

## Programming

Box programming	Yes
Programming device	FEIG

## Certificates & standards

Type of protection	IP20
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

## Logistical data

Commodity code	85044083900
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## Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Declaration No. in SCIP database	In work
Date of Declaration	18-06-2024
Primary Article Identifier	4062172063982

## Ecodesign regulation information:

Intended for use with LED modules.

The forward voltage of the LED light source shall be within the defined operating window of the control gear in all operating conditions including dimming if applicable.

Separate control gear and light sources must be disposed of at certified disposal companies in accordance with Directive 2012/19/EU (WEEE) in the EU and with Waste Electrical and Electronic Equipment (WEEE) Regulations 2013 in the UK. For this purpose, collection points for recycling centres and take-back systems (CRSO) are available from retailers or private disposal companies, which accept separate control gear and light sources free of charge. In this way, raw materials are conserved and materials are recycled.

## Download Data

File		
Certificates	PDF	▶OT ENEC 40038447 270224
CAD data 2-dim	Compressed	▶OT FIT NFC L CAD2PDF 030420
CAD data 3-dim	Compressed	▶OT FIT NFC L CAD3PDF 030420
CAD data	Compressed	▶OT FIT NFC L IGS 030420
CAD data	Compressed	▶OT FIT NFC L STEP 030420
Mandatory Publications	PDF	▶OT FIT NFC L CE 4177403 06 160523
Mandatory Publications	PDF	▶OT FIT NFC L UK DoC 4281111 02 060923
User instruction	PDF	▶OPTOTRONIC LED Power Supply



### Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172063982	OT FIT 25/220-240/500 NFC L	Shipping carton box 10 Pieces	309 x 120 x 78 mm	2.89 dm <sup>3</sup>	101.00 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

### Accessories Optional

Product description	Accessory name	Accessory code
OT FIT 25/220-240/500 NFC L	PRH101 -USB	▶ 6977078996938
OT FIT 25/220-240/500 NFC L	CPR30 -USB	▶ 6977078996945

### Disclaimer

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