

## OT FIT 150/220-240/1A0 D NFC HV L (NEW)

OPTOTRONIC FIT D NFC HV L



### 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

### Product family benefits

- High output voltage up to 300V
- 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)
- Wide operating temperature range:  $-25\dots+55^\circ\text{C}$
- Higher quality of light thanks to  $< 1\%$  output ripple current
- Very high efficiency (up to 95%)
- Integrated inrush current limiter
- Fulfill safety requirement due to overload, overtemperature, Hot Plug protection

### Areas of application

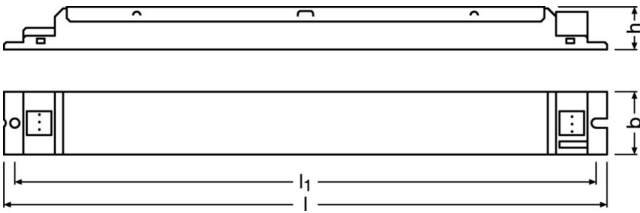
- Linear lighting solutions for industry, storage areas and retail applications
- Installation in emergency lighting systems according to IEC 61347-2-13, appendix J
- Suitable for installation in emergency lighting systems according to EN 60598-2-22
- Suitable for luminaires of protection class I

## 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...264 V
Total harmonic distortion	8 %
Power factor $\lambda$	0.65C...0.99
Efficiency in full-load	96 %
Device power loss	6.5 W
Networked standby power	not relevant
Inrush current	44.6 A
Max. ECG no. on circuit breaker 10 A (B)	8
Max. ECG no. on circuit breaker 16 A (B)	13
Max. ECG no. on circuit breaker 25 A (B)	21
Surge capability (L-N)	1 kV
Surge capability (L/N-Ground)	2 kV
Protective conductor current	0.31 mA
Nominal output voltage	64...300 V
U-OUT (working voltage)	340 V
Nominal output current	250...1000 mA
Default output current	250 mA
Output current tolerance	$\pm 3$ %
Output ripple current (100 Hz)	$\leq 1$ %
Output PSTLM	$\leq 1$
Output SVM	$\leq 0.4$
Nominal output power	43...150 W
Maximum output power	150 W

## Dimensions & weight



<b>Product weight</b>	203.00 g
<b>Length</b>	280.0 mm
<b>Width</b>	30.0 mm
<b>Height</b>	21.0 mm
<b>Mounting hole spacing, length</b>	270.0 mm
<b>Mounting hole spacing, width</b>	not relevant mm
<b>Cable cross-section, input side</b>	0.5...1.5 mm <sup>2</sup>
<b>Cable cross-section, output side</b>	0.5...1.5 mm <sup>2</sup>
<b>Wire preparation length, input side</b>	8.0...9.0 mm
<b>Wire preparation length, output side</b>	8.0...9.0 mm

## Colors & materials

<b>Casing material</b>	Metal
<b>Product color</b>	White

## Temperatures & operating conditions

<b>Ambient temperature range</b>	-25...+55 °C
<b>Maximum temperature at tc test point</b>	85 °C
<b>Max.housing temperature in case of fault</b>	110 °C
<b>Temperature range at storage</b>	-40...+85 °C
<b>Permitted rel. humidity during operation</b>	5...85 % <sup>1)</sup>
<b>Permitted relative humidity at storage</b>	5...85 %

1) Maximum 56 days/year at 85 %

## Lifespan

<b>ECG lifetime</b>	50000 h <sup>1)</sup>
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1) At Tc max.

## Additional product data

<b>Encapsulated</b>	No
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## Capabilities

<b>Programming interface</b>	NFC
<b>Dimmable</b>	No
<b>Constant lumen function</b>	Yes
<b>Max. cable length to lamp/LED module</b>	2.0 m <sup>1)</sup>
<b>Suitable for fixtures with prot. class</b>	I
<b>Suitable for emergency lighting</b>	Yes
<b>EL CEAG STAR compatible</b>	Yes
<b>EL DC detection selectable</b>	No
<b>EL EOFi – default value</b>	1.0
<b>EL EOFi – rated value</b>	1.0
<b>EL Joker Voltage</b>	Yes
<b>EL stable current</b>	No
<b>EL switch-over time</b>	180 - 450 ms
<b>Type of connection, input side</b>	Push-in terminal
<b>Type of connection, output side</b>	Push-in terminal
<b>Suitable for through-wiring</b>	No
<b>Number of channels</b>	1
<b>Overheating protection</b>	Yes
<b>Overload protection</b>	Yes
<b>Short-circuit protection</b>	Yes
<b>Intended for no-load operation</b>	No
<b>No-load proof</b>	Yes

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

## Programming

<b>Programming device</b>	DALI magic / FEIG Programmer / Tuner4TRONIC
<b>Tuner4TRONIC</b>	Yes
<b>Tuner4TRONIC Field App</b>	Yes
<b>Box programming</b>	Yes

## Certificates & standards

<b>Approval marks – approval</b>	CE / VDE-ENEC / EAC / CCC / BIS
<b>Standards</b>	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 / Acc. to EN 55015
<b>Type of protection</b>	IP20

## Logistical data

<b>Commodity code</b>	85044083900
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## Environmental information

<b>Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)</b>	
<b>Date of Declaration</b>	09-11-2024
<b>Primary Article Identifier</b>	4062172382311
<b>Declaration No. in SCIP database</b>	In work
<b>SCIP_STATUS</b>	In work
<b>SCIP_ID</b>	

### 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		
Product Datasheet	PDF	▶ OT FIT 150 D NFC HV L DS 210624
Certificates	PDF	▶ OT FIT D NFC HV L ENEC 64142235025401 U6 151223
Mandatory Publications	PDF	▶ OT FIT D NFC HV L CE 4523053 00 061223
Mandatory Publications	PDF	▶ OT FIT D NFC HV L UK DoC 4523054 00 061223



## Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172382311	OT FIT 150/220-240/1A0 D NFC HV L	Shipping carton box 20 Pieces	309 x 225 x 78 mm	5.42 dm <sup>3</sup>	212.75 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.