

OT FIT 150/220-240/1A0 N NFC L HE

OPTOTRONIC FIT N NFC L HE



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
- Non-isolated drivers

Product family benefits

- Flexible and future-proof current setting via NFC (Near Field Communication)
- Very high efficiency (up to 97%)
- 2 drivers to replace all power clusters from 25W to 150W in terms of efficacy and inrush current (circuit breakers)
- Lumen Select function (8 programmable currents / Light levels)
- Lifetime: up to 100,000 h (temperature at $T_c = 65^\circ\text{C}$, max. 10 % failure rate)
- High quality of light thanks to <1% output ripple current
- Fulfill safety requirement due to overload, overtemperature protection

Areas of application

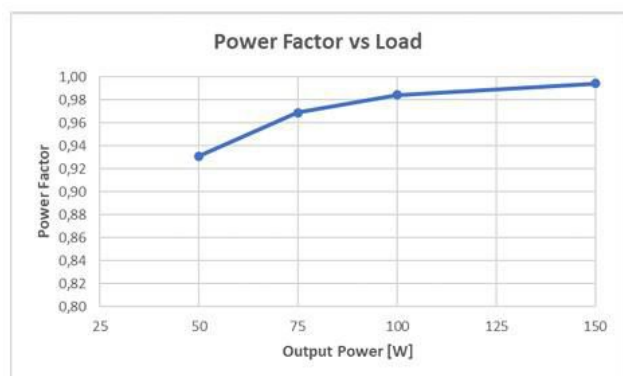
- Linear lighting for office, education, industry, storage areas and retail
- Installation in emergency lighting systems according to IEC 61347-2-13, appendix J
- Suitable for installation in emergency lighting systems according to EN 60598-2-22
- Suitable for luminaires of protection class I

Technical data

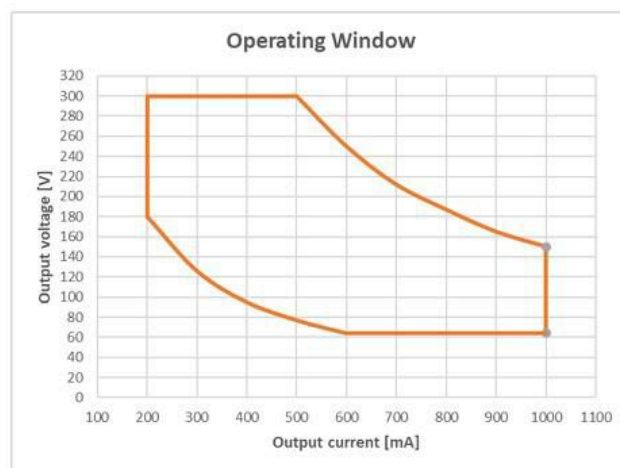
Electrical data

Nominal input voltage	220...240 V
Mains frequency	0/50/60 Hz
Input voltage AC	198...264 V
Input voltage DC	176...276 V
Nominal input current at 230 V	0.69 A
Total harmonic distortion	5 %
Power factor λ	0.75C...0.98
Efficiency in full-load	97 %
Device power loss	4.7 W
Networked standby power	not relevant
Inrush current	54 A
Max. ECG no. on circuit breaker 10 A (B)	16
Max. ECG no. on circuit breaker 16 A (B)	10
Max. ECG no. on circuit breaker 25 A (B)	25
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)	300 V
Nominal output current	200...1000 mA
Default output current	200 mA
Output current tolerance	± 3 %
Output ripple current (100 Hz)	< 1 %
Output PSTLM	≤ 1
Output SVM	≤ 0.4
Nominal output power	28...150 W
Maximum output power	150 W

Typical Power Factor v Load



Operating Window



OT FIT 150 N NFC L HE Typical Power Factor vs. Load

OT FIT 150 N NFC L HE Operating Window

Typical THD v Load



Typical Efficiency v Load 230 V 50 Hz



OT FIT 150 N NFC L HE Typical THD Vs Load

OT FIT 150 N NFC L HE Typical Efficiency vs. Load (230 V / 50 Hz)

Dimensions & weight



Product weight	202.00 g
Length	280.0 mm
Width	30.0 mm
Height	21.0 mm
Mounting hole spacing, length	270.0 mm
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
Wire preparation length, output side	8.0...9.0 mm

Colors & materials

Casing material	Metal
Product color	White

Temperatures & operating conditions

Ambient temperature range	-25...+55 °C
Maximum temperature at tc test point	80 °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⁾
Permitted relative humidity at storage	5...85 % ¹⁾

1) Non-condensing

Lifespan

ECG lifetime	50000 h
--------------	---------

Additional product data

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

Capabilities

Programming interface	NFC
Dimmable	No
Constant lumen function	Yes
Max. cable length to lamp/LED module	2.0 m
Suitable for fixtures with prot. class	I
Suitable for emergency lighting	Yes
EL CEAG STAR compatible	Yes
EL DC detection selectable	No
EL EOFi – default value	1.0
EL EOFi – rated value	1.0
EL Joker Voltage	Yes
EL stable current	Yes
EL switch-over time	<500 ms
Type of connection, input side	Push-in terminal
Type of connection, output side	Push-in terminal
Suitable for through-wiring	No
Number of channels	1
Overheating protection	Yes
Overload protection	Yes
Short-circuit protection	Yes
Intended for no-load operation	No
No-load proof	No

Programming

Programming device	FEIG Programmer / Tuner4TRONIC
Tuner4TRONIC	Yes
Tuner4TRONIC Field App	Yes
Box programming	Yes

Certificates & standards

Approval marks – approval	CE / ENEC / CCC / BIS / RCM
Standards	EN 61347-1 / EN 61347-2-13 / EN 62384 / EN 61000-3-2 / EN 61000-4-5 / EN 61547
Type of protection	IP20

Logistical data

Commodity code	85044095900
----------------	-------------

Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	24-09-2026
Primary Article Identifier	6937186128461
Candidate List Substance 1	Lead
CAS No. of substance 1	7439-92-1
Safe Use Instruction	The identification of the Candidate List substance is sufficient to allow safe use of the article.
Declaration No. in SCIP database	2f795fe9-5269-4769-b8ab-6b893afc7b33
SCIP_ID	

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	▶ OTI DALI OT FIT N NFC L ENEC 40061409 030626
Certificates	PDF	▶ VDE ENEC certificate_40058248_Class I
Certificates	PDF	▶ OT FIT N NFC L HE CB DE1 71077 030626
Certificates	PDF	▶ OTI DALI OT FIT N NFC L ENEC 40061409 Appendix 030626
CAD data 3-dim	Compressed	▶ OT FIT 150 N NFC L HE CAD3PDF 180825
CAD data 2-dim	Compressed	▶ OT FIT 150 N NFC L HE CAD2PDF 180825
CAD data PDF	Compressed	▶ OT FIT 150 N NFC L HE STEP 180825
Mandatory Publications	PDF	▶ OT FIT N NFC L HE CE 4550873 03 150626
User instruction	PDF	▶ UI OT FIT N NFC L HE G15131362 150626

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
6937186128461 INVENTRONICS	OT FIT 150/220-240/1A0 N NFC L HE	Shipping carton box 20 Pieces	303 x 159 x 105 mm	5.06 dm ³	209.09 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