

The trusted value of OSRAM Digital Systems continues with Inventronics Global – where experience meets innovation.

OT FIT 150/220-240/1A0 D NFC HV L

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: $-25...+55^\circ\text{C}$
- 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 λ	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	± 3 %
Output ripple current (100 Hz)	≤ 1 %
Output PSTLM	≤ 1
Output SVM	≤ 0.4
Nominal output power	43...150 W
Maximum output power	150 W

Dimensions & weight



Product weight	203.00 g
Length	280.0 mm
Width	30.0 mm
Height	21.0 mm
Mounting hole spacing, length	270.0 mm
Mounting hole spacing, width	not relevant 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	85 °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) Maximum 56 days/year at 85 %

Lifespan

ECG lifetime	50000 h ¹⁾
--------------	-----------------------

1) At Tc max.

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 ¹⁾
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	No
EL switch-over time	180 - 450 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	Yes

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

Programming

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

Certificates & standards

Approval marks – approval	CE / VDE-ENEC / EAC / CCC / BIS
Standards	EN 61347-1 / EN 61347-2-13 / EN 62384 / EN 61000-3-2 / EN 61000-3-3 / EN 61547 / EN 55015
Type of protection	IP20

Logistical data

Commodity code	85044083900
----------------	-------------

Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	07-10-2025
Primary Article Identifier	4062172382311 6937186103666
Declaration No. in SCIP database	In work
SCIP_STATUS	In work
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		
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
User instruction	PDF	▶ UI OT FIT D NFC HV L

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172382311 OSRAM	OT FIT 150/220-240/1A0 D NFC HV L	Shipping carton box 20 Pieces	309 x 225 x 78 mm	5.42 dm ³	212.75 g
6937186103666 INVENTRONICS	OT FIT 150/220-240/1A0 D NFC HV L	Shipping carton box 20 Pieces	309 x 225 x 78 mm	5.42 dm ³	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.