OT FIT 55/220…240/1A0 CS L G2

OPTOTRONIC FIT CS L G2 | 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
- Supply voltage: 220…240 V
- Available with output current range: up to 1,400 mA
- SELV system

Product family benefits

- Flexible current setting (DIPswitch – 4 currents)
- Lifetime: up to 100,000 h (temperature at T_c = 65 °C, max. 10 % failure rate)
- High efficiency
- High quality of light thanks to low output ripple current
- Fulfill safety requirement due to overload, overtemperature, Hot Plug 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

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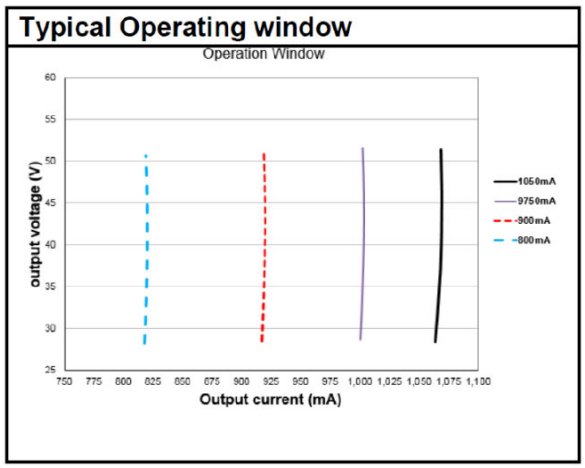
Technical data

Electrical data

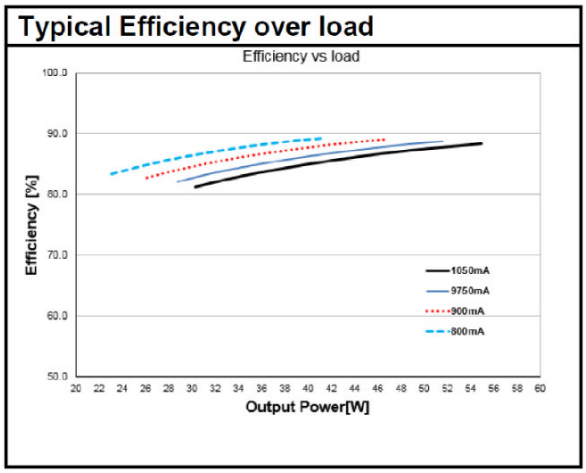
Nominal input voltage	220…240 V
Mains frequency	0/50/60 Hz
Input voltage AC	198…264 V [1)]
Input voltage DC	176…276 V
Current set	DipSwitch
Total harmonic distortion	< 10 %
Power factor λ	0.87C…0.98
Device power loss	7.0 W
Inrush current	20 A
Max. ECG no. on circuit breaker 10 A (B)	16
Max. ECG no. on circuit breaker 16 A (B)	25
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	27…51 V
U-OUT (working voltage)	< 60 V
Nominal output current	800 / 900 / 975 / 1050 mA
Output current tolerance	±7.5 %
Output ripple current (100 Hz)	< 5 %
Output PSTLM	≤1
Output SVM	≤0.4
Nominal output power	21.6…53.6 W
Galvanic isolation	SELV
Galvanic isolation primary/secondary	-
Protective conductor current	2.0 mA
Default output current	1000 mA

1) Permitted voltage range

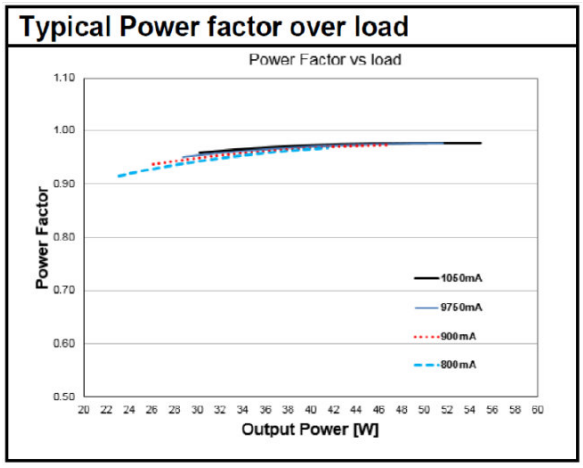
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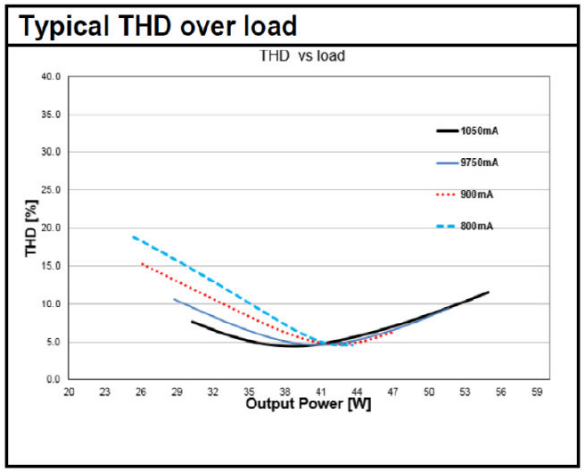
OT FIT 55220-2401A0 CS L G2 Operating Window



OT FIT 55220-2401A0 CS L G2 Typical Efficiency vs. Load (230 V 50 Hz)



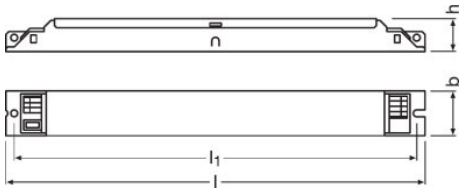
OT FIT 55220-2401A0 CS L G2 Typical Power Factor vs. Load



OT FIT 55220-2401A0 CS L G2 Typical THD Vs Load

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Dimensions & weight



Mounting hole spacing, length	270.0 mm
Product weight	217.00 g
Cable cross-section, input side	0.5…1.5 mm²
Cable cross-section, output side	0.5…1.5 mm²
Wire preparation length, input side	8.5…9.5 mm
Wire preparation length, output side	8.5…9.5 mm
Length	280.0 mm
Width	30.0 mm
Height	21.0 mm

Colors & materials

Casing material	Metal

Temperatures & operating conditions

Ambient temperature range	-25…+50 °C
Maximum temperature at tc test point	80 °C
Max.housing temperature in case of fault	110 °C
Temperature range at storage	-25…85 °C
Permitted rel. humidity during operation	5…85 % [1)]

[1)] Maximum 56 days/year at 85 %

Lifespan

ECG lifetime	50000 / 100000 h [1)]

[1)] At maximum T_c = 75°C / 10% failure rate / At T_c = 65°C / 10% failure rate

Capabilities

Dimmable	No

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Overheating protection	Automatic reversible
Overload protection	Non-reversible
Short-circuit protection	Automatic reversible
No-load proof	Yes
Max. cable length to lamp/LED module	2.0 m [1)]
Suitable for fixtures with prot. class	I
Suitable for emergency lighting	Yes
Type of connection, output side	Push terminal
Number of channels	1

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

Programming

Programming device	DIPswitch

Certificates & standards

Approval marks – approval	CE / EL / ENEC 05 / EAC / CCC / RCM / BIS
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
Protection class	I
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	08-12-2023
Primary Article Identifier	4052899522558
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	07f8e836-8454-4b16-8f39-d240678760bf

Download Data

	File

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	User instruction OT FIT 35 55 75 220-240 CS L G2
	Certificates INOTEC Certificate OT FIT 551A0 CS L G2
	Certificates INOTEC Certificate OT FIT 551A0 CS L G2 appendix
	Certificates OT EMC 40038482 290922
	Certificates OT FIT 55 CS L G2 CCC 2023171002005165 071223
	Certificates OT ENEC 40038447 260623
	Certificates VDE ENEC Certificate 40046756
	Declarations of conformity OT FIT CS L G2 UK DoC 4281119 150222
	Declarations of conformity OT FIT CS L G2 CE 3666934 150222
	Declarations of conformity 711957_Declaration of Conformity OT FIT CS L

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.

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899522558	OT FIT 55/220…240/1A0 CS L G2	Shipping carton box 20	303 mm x 159 mm x 101 mm	4.87 dm^3	4659.00 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.

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