

OT FIT 55/220...240/1A0 CS L G2

OPTOTRONIC FIT CS L G2 | Linear / Area Constant Current – Non dimmable



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

Product family benefits

- Flexible current setting (DIPswitch – 4 currents)
- Lifetime: up to 100,000 h (temperature at $T_c = 65^\circ\text{C}$, 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

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

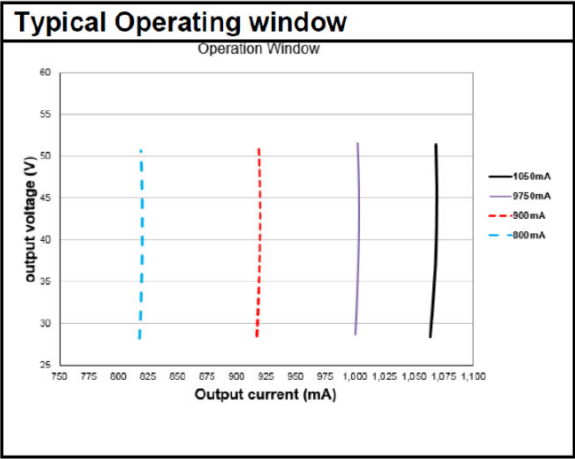


Technical data

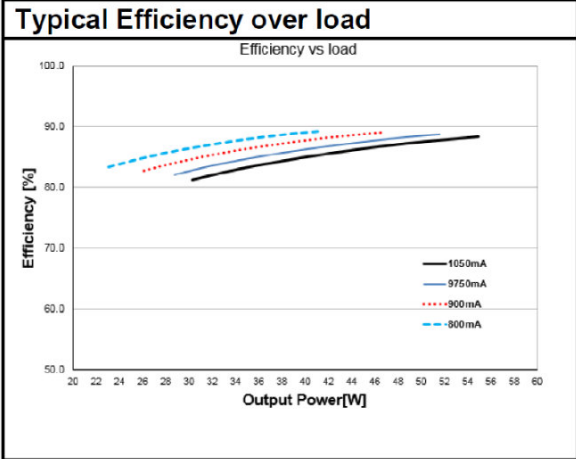
Electrical data

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	0.98
ECG efficiency	≤89 %
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

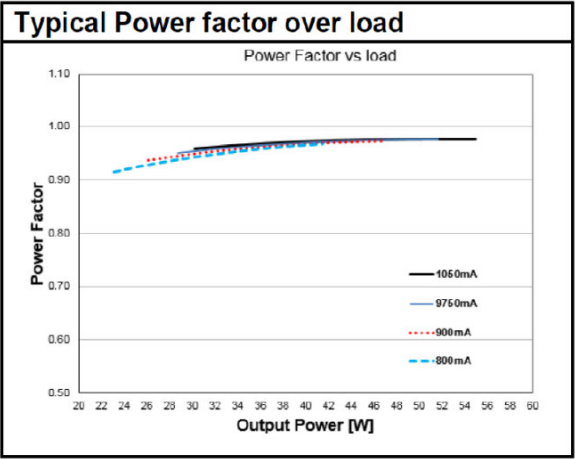
¹⁾ Permitted voltage range



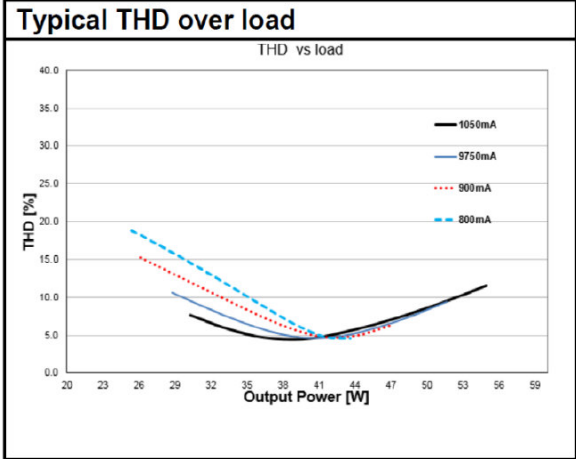
Operating Window



Typical Efficiency v Load 230 V 50 Hz

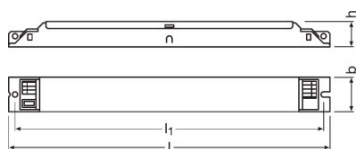


Typical Power Factor v Load



Typical THD v Load

Dimensions & weight



Mounting hole spacing, length	270.0 mm
Product weight	217.00 g
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	8.5...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
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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⁾
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¹⁾ At maximum T_c = 75 °C / 10% failure rate / At T_c = 65 °C / 10% failure rate

Additional product data

Encapsulated	No
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Capabilities

Dimmable	No
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
Suitable for fixtures with prot. class	I
Suitable for emergency lighting	Yes
Type of connection, output side	Push terminal
Number of channels	1

Programming

Tuner4TRONIC	No
Tuner4TRONIC Field App	No
Programming device	DIPswitch






Certificates & standards

Approval marks – approval	CE / EL / ENEC 10 / VDE-EMC / CCC / RCM
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	850440829000
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Download Data

File	
	User instruction OT FIT 35 55 75 220-240 CS L G2
	Product Datasheet OT FIT 55220–2401050 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 060720

Product datasheet



Certificates
VDE ENEC Certificate 40046756



Declarations of conformity
OT FIT CS L G2 CE 3666934 211119



Declarations of conformity
711957_Declaration of Conformity OT FIT CS L

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.

Disclaimer

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