OT FIT 55/220-240/1A0 CS L G3 *(NEW)*

OPTOTRONIC FIT CS L G3



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
- Constant Lumen Output (CLO)
- Supply voltage: 220…240 V
- Available with output current range: up to 1,400 mA
- SELV driver

Product family benefits

- Flexible and future-proof current setting via DipSwitch
- Lifetime: up to 100,000 h (temperature at T_c = 65 °C, max. 10 % failure rate)
- Fulfilling SVM (≤ 0.4) and PsT (≤ 1.0) standards
- Higher quality of light thanks to < 5% output ripple current
- Very high efficiency
- Fulfill safety requirement due to overload, overtemperature protection

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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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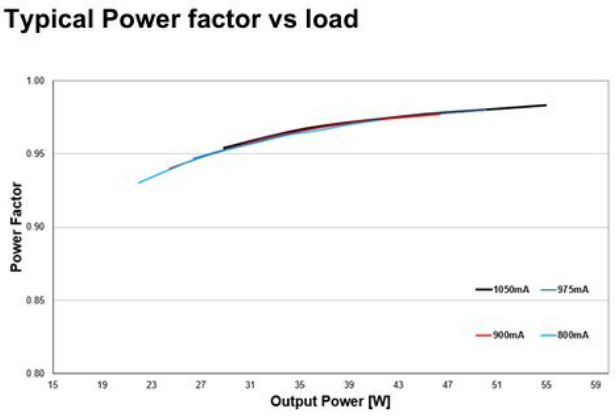
Technical data

Electrical data

Nominal input voltage	220…240 V
Mains frequency	50Hz/60 Hz
Input voltage AC	198…264 V
Input voltage DC	176…276 V
Nominal input current at 230 V	297 mA
Total harmonic distortion	< 10 %
Power factor λ	0.98
Efficiency in full-load	90 %
Device power loss	5.7 W
Inrush current	28.8 A
Max. ECG no. on circuit breaker 10 A (B)	13
Max. ECG no. on circuit breaker 16 A (B)	22
Max. ECG no. on circuit breaker 25 A (B)	35
Surge capability (L-N)	1 kV
Surge capability (L/N-Ground)	2 kV
Nominal output voltage	27...51 V
U-OUT (working voltage)	60 V
Nominal output current	800 mA / 900 mA / 975 mA / 1050 mA
Default output current	800 mA
Output current tolerance	±7.5 %
Output ripple current (100 Hz)	< 5 %
Output PSTLM	≤1
Output SVM	≤0.4
Nominal output power	21.6…53.5 W
Maximum output power	52.5 W
Galvanic isolation primary/secondary	SELV

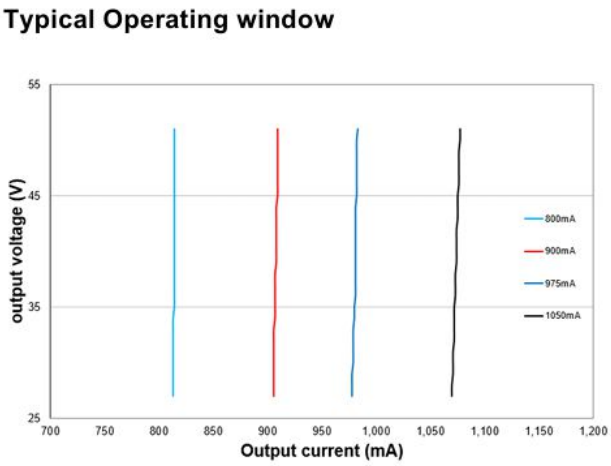
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Typical Power Factor v Load



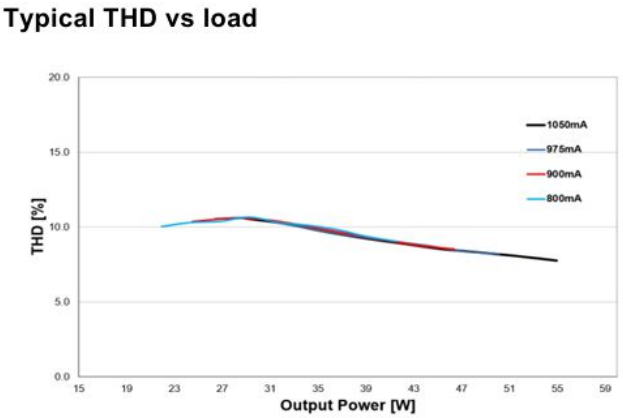
OT FIT 55 CS L G3 Typical Power Factor vs. Load 280826

Operating Window



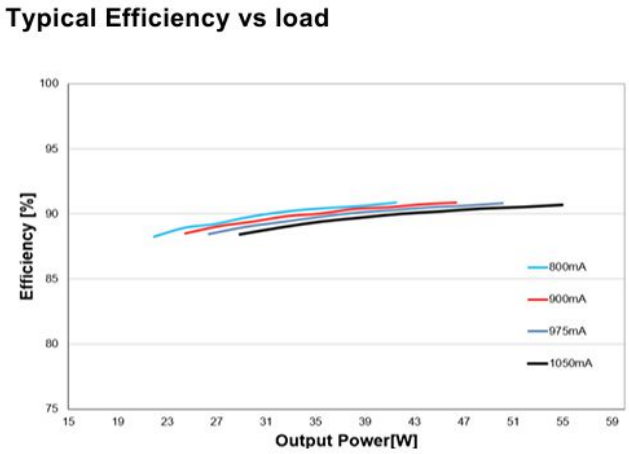
OT FIT 55 CS L G3 Operating Window 280826

Typical THD v Load



OT FIT 55 CS L G3 Typical THD Vs Load 280826

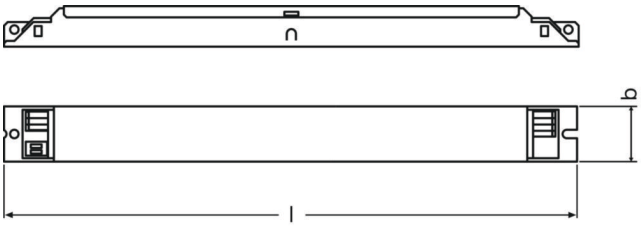
Typical Efficiency v Load 230 V 50 Hz



OT FIT 55 CS L G3 Typical Efficiency Vs.Load 280826

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Dimensions & weight



Product weight	177.00 g
Length	279.0 mm
Width	29.4 mm
Height	21.5 mm
Mounting hole spacing, length	270.0 mm
Cable cross-section, input side	0.5…1.5 mm²
Cable cross-section, output side	0.75…1.5 mm²
Wire preparation length, input side	7…8 mm
Wire preparation length, output side	7…8 mm

Colors & materials

Casing material	Metal
Product color	White

Temperatures & operating conditions

Ambient temperature range	-25…+50 °C
Maximum temperature at tc test point	75 °C
Max.housing temperature in case of fault	110 °C
Temperature range at storage	-25…80 °C
Permitted rel. humidity during operation	5…85 %
Permitted relative humidity at storage	5…85 %

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Lifespan

ECG lifetime	50000 h / 100000 h

Additional product data

Encapsulated	No

Capabilities

Dimmable	No
Constant lumen function	No
Max. cable length to lamp/LED module	2.0 m
Suitable for fixtures with prot. class	I / II (EMI)
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	< 0.5 s
Type of connection, input side	Push-in connector
Type of connection, output side	Push-in connector
Suitable for through-wiring	No
Number of channels	1
Overheating protection	Automatic reversible
Overload protection	Automatic reversible
Short-circuit protection	Automatic reversible
Intended for no-load operation	Yes
No-load proof	Yes

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Certificates & standards

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

Logistical data

Applicable region	APAC (excl. China, India, Japan) / CHINA / EUROPE / INDIA / MEA / SOUTH AMERICA

Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)	
Date of Declaration	29-09-2026
Primary Article Identifier	6977078997706
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	44fc067a-5666-4b9d-99c2-10558838a4c4
SCIP_ID	

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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.

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Download Data

File		
Certificates	PDF	►VDE ENEC certificate_40058248_Class I
CAD data	Compressed	►OT FIT 55 75 CS L G3 STEP 280826
Mandatory Publications	PDF	►IT OT FIT CS L CE 4205372 08 041224
User instruction	PDF	►UI OT FIT CS L G3

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Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
6977078997706 INVENTRONICS	OT FIT 55/220-240/1A0 CS L G3	Shipping carton box 20 Pieces	303 x 159 x 101 mm	4.87 dm³	192.95 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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