

CV Power supplies 12 V



- Versatile scope of application due to output power range of up to 300 W
- Very high efficiency
- IP rating: up to IP67
- High surge protection: up to 6 kV (L-N) / 6 kV (L/N-PE)

- Suitable for indoor and outdoor installations
- Ideal for mounting in very tight spaces

Technical data

Electrical data

Nominal output power	150 W
Mains frequency	50...60 Hz
Nominal voltage	220...240 V
Nominal current	0.85 A
Device power loss	14.8 W
Power factor λ	0.95 ¹⁾
Inrush current	55 A ²⁾
Nominal output voltage	12.5 V
Input voltage AC	198...264 V
Output ripple Voltage (100 Hz)	< 3 % ³⁾
Efficiency in full-load	91 % ⁴⁾

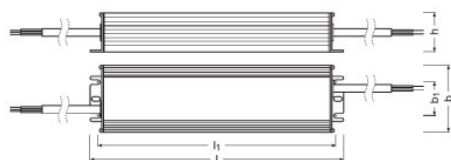
¹⁾ Typical, Full load, 230 VAC, 50 Hz / 60 Hz

²⁾ At Full Load, 240VAC, Cold StartDuration=500uS 50%Ipk – 50%Ipk

³⁾ ripple @ 100 Hz / full load

⁴⁾ at 230 V, 50 Hz

Dimensions & weight



Length	202.0 mm
Width	53.0 mm
Height	31.5 mm
Mounting hole spacing, length	188.0 mm
Mounting hole spacing, width	27.0 mm
Product weight	920.00 g

Temperatures & operating conditions

Ambient temperature range	-40...+50 °C ¹⁾
Permitted rel. humidity during operation	5...85 % ²⁾

Product datasheet

1) At fullload, Tc not exceeded

2) Non-condensing

Additional product data

Predecessor EAN	4008321790835
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Capabilities

Suitable for fixtures with prot. class	I / II
Overheating protection	Automatic reversible
Overload protection	Automatic reversible
Short-circuit protection	Automatic reversible
No-load proof	Yes
Dimmable	No
Number of channels	1

Certificates & standards

Type of protection	IP66/IP67
Standards	Acc. to EN 61347-1/Acc. to EN 61347-2-13/Acc. to EN 55015/Acc. to EN 61547/Acc. to EN 61000-3-2/Acc. to EN 61000-3-3/Acc. to EN 60598-1/Acc. to EN 62384
Approval marks – approval	CE / CCC / ENEC / TISI / RCM

Logistical data

Commodity code	850440829000
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Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	14-04-2022
Primary Article Identifier	4062172133500
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	e25c5e1d-f2bf-4001-ae33-57a4ef9240c6

Download Data

File

Product datasheet

	User instruction OPTOTRONIC LED Power Supply
	Product Datasheet Datasheet-OT FIT 150_220-240_12_P
	Declarations of conformity OT FIT 12P CE 4192443 02 220222
	CAD data 3-dim OT FIT 150 220-240 12 P - 3D stp file

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
4062172133500	OT FIT 150/220-240/12 P	Shipping carton box 15	349 mm x 284 mm x 153 mm	15.16 dm ³	14185.00 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.