

OT 120/220...240/12 P

CV Power supplies 12 V



Product family benefits

- 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)

Areas of application

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

Product datasheet

Technical data

Electrical data

Nominal output power	120 W ¹⁾
Mains frequency	50...60 Hz
Nominal voltage	220...240 V
Nominal current	0.70 A ²⁾
Device power loss	18 W
Power factor λ	0.98/0.95 ³⁾
Inrush current	40 A ⁴⁾
Galvanic isolation primary/secondary	3.75 kV ⁵⁾
Nominal output voltage	12.5 V ⁶⁾
Input voltage AC	198...264 V ⁷⁾

¹⁾ Partial load 0...120 W

²⁾ At 230 V

³⁾ Full load at 230 V/Half load at 230 V

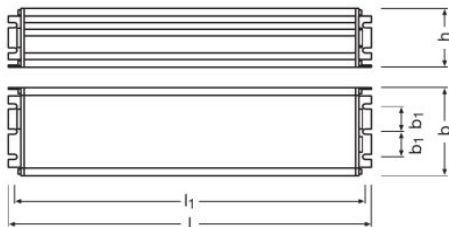
⁴⁾ At 300 μ s

⁵⁾ SELV-equivalent

⁶⁾ ± 0.5 V

⁷⁾ V_{AC} / Permitted voltage range

Dimensions & weight



Length	250.0 mm
Width	60.0 mm
Height	39.0 mm
Mounting hole spacing, length	241.0 mm
Mounting hole spacing, width	15.0 mm ¹⁾
Product weight	1150.00 g

¹⁾ Side mounting

Product datasheet

Temperatures & operating conditions

Ambient temperature range	-25...+55 °C
Permitted rel. humidity during operation	5...85 % ¹⁾

¹⁾ Non-condensing

Additional product data

Successor EAN	4062172133500
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Capabilities

Suitable for fixtures with prot. class	I
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	IP67
Standards	Acc. to IEC 61347-1/Acc. to IEC 61347-2-13/Acc. to IEC 62384/Acc. to CISPR 15/Acc. to IEC 61000-3-2/Acc. to IEC 61000-3-3/Acc. to IEC 61547
Approval marks – approval	CE / ENEC 18 / CB / CCC / RCM / EAC / BIS

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	19-01-2022
Primary Article Identifier	4008321790835
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	672aa5f8-0be6-48ca-8eb7-8fc2d38ef0c1

Product datasheet

Download Data

File	
	Product Datasheet 340366_OPTOTRONIC OT 120220-24012 P
	Brochures OPTOTRONIC constant-voltage LED power supplies and controls (EN)
	Certificates 545902_ENEC certificate OT 120220-24012 P
	Certificates 545903_ENEC certificate-R OT 120220-24012 P
	Declarations of conformity 728507_EU Declaration OT
	Installation guide 343881_Instruction Sheet_OT 120220-24012 P

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
4008321790835	OT 120/220...240/12 P	Shipping carton box 10	589 mm x 155 mm x 399 mm	36.43 dm ³	13000.00 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.