

OTe 120/110...277/12 E

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

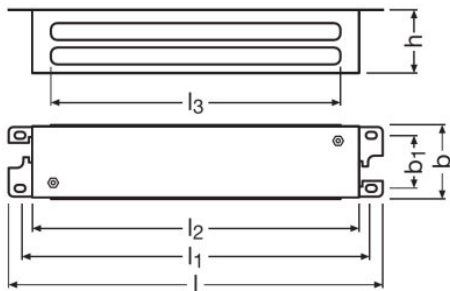
Technical data

Electrical data

Nominal output power	120 W ¹⁾
Mains frequency	50...60 Hz
Nominal voltage	110...277 V
Nominal current	070 A ²⁾
Device power loss	18 W ³⁾
Power factor λ	095/090 ⁴⁾
Inrush current	109 A ⁵⁾
Galvanic isolation primary/secondary	3.75 kV ⁶⁾
Nominal output voltage	12.5 V ⁷⁾
Input voltage AC	100...305 V ⁸⁾
Maximum output power	120 W
Efficiency in full-load	89 % ⁹⁾

- 1) Partial load 12...120 W
- 2) At 230 V
- 3) Maximum
- 4) Full load at 230 V/Half load at 230 V
- 5) At 250 μ s
- 6) SELV-equivalent
- 7) \pm 0.5 V
- 8) Permitted voltage range
- 9) at 230 V, 50 Hz

Dimensions & weight



Length	2580 mm
Width	512 mm
Height	445 mm
Mounting hole spacing, length	246.0 mm
Product weight	115000 g

Temperatures & operating conditions

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

¹⁾ Maximum 56 days/year at 85 %

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	IP64
Standards	Acc. to IEC 61347-1/Acc. to IEC 61347-2-13/Acc. to CISPR 15/Acc. to IEC 61000-3-2/Acc. to IEC 61000-3-3/Acc. to IEC 61547
Approval marks – approval	CE / CB / CCC / BIS




Logistical data

Commodity code	850440829000
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Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (RECh)	
Date of Declaration	14-04-2022
Primary Article Identifier	4008321821263
Declaration No. in SCIP database	In work

Download Data

File	
	Addon Technical Information 350855_Data sheet_OTe 120110-27712 E
	Brochures OPTOTRONIC constant-voltage LED power supplies and controls (EN)
	Declarations of conformity EU Declaration of Conformity 3565780

Product datasheet

	Installation/Operation notice 350856_Instruction sheet OTe 120_110-277 12 E
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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.

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321821263	OTe 120/110...277/12 E	Shipping carton box 10	408 mm x 302 mm x 141 mm	17.37 dm ³	12459.00 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.