

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

Product datasheet

Technical data

Electrical data

| | |
|--------------------------------------|---------------------------|
| Nominal output power | 120 W ¹⁾ |
| Mains frequency | 50...60 Hz |
| Nominal voltage | 110...277 V |
| Nominal current | 0.70 A ²⁾ |
| Device power loss | 18 W ³⁾ |
| Power factor λ | 0.95/0.90 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⁾ |

1) Partial load 12...120 W

2) At 230 V

3) Maximum

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

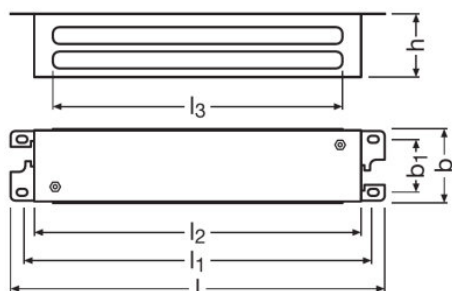
5) At 250 μ s

6) SELV-equivalent

7) ± 0.5 V

8) Permitted voltage range

Dimensions & weight



| | |
|-------------------------------|-----------|
| Length | 258.0 mm |
| Width | 51.2 mm |
| Height | 44.5 mm |
| Mounting hole spacing, length | 246.0 mm |
| Product weight | 1150.00 g |

Temperatures & operating conditions

Product datasheet

| | |
|-------------------------------------------------|------------------------|
| 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 |
|-----------------------|--------------|

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

Product datasheet

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.