

OTe 60/110...277/12 E

CV Power supplies 12 V



Areas of application

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

Product family benefits

- Versatile scope of application due to output power range of up to 120 W
- Very high efficiency
- IP rating: up to IP67
- High surge protection: up to 3 kV (L-N) / 6 kV (L/N-PE)

Technical data

Electrical data

Nominal input voltage	110...277 V
Mains frequency	50...60 Hz
Input voltage AC	100...305 V ¹⁾
Total harmonic distortion	< 20 %
Power factor λ	0.95/0.90/0.95/0.90 ²⁾
ECG efficiency	≥ 85 % ³⁾
Device power loss	9.0 W
Protective conductor current	<2.0 mA
Inrush current	15 / 40 A ⁴⁾
Max. ECG no. on circuit breaker 10 A (B)	8
Max. ECG no. on circuit breaker 16 A (B)	12
Max. ECG no. on circuit breaker 25 A (B)	-
Surge capability (L-N)	2 kV
Nominal output voltage	12.5 V ⁵⁾
U-OUT (working voltage)	12.5 V
Nominal output power	60 W ⁶⁾
Galvanic isolation	SELV equivalent
Galvanic isolation primary/secondary	3.75 kV ⁷⁾
Surge capability (L/N-Ground)	3 kV

¹⁾ V_{AC} / Permitted voltage range

²⁾ Full load at 110 V/Half load at 110 V/Full load at 230 V/Half load at 230 V

³⁾ At full load and 110...230 V

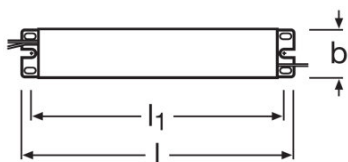
⁴⁾ 200 μ s at 110 V / 200 μ s at 230 V

⁵⁾ ± 0.5 V

⁶⁾ Partial load 6...60 W

⁷⁾ SELV-equivalent

Dimensions & weight



Mounting hole spacing, length	227.0 mm
Product weight	600.00 g
Cable cross-section, input side	0.83 mm ²
Cable cross-section, output side	0.83 mm ²
Wire preparation length, input side	10 mm
Wire preparation length, output side	10 mm
Length	241.0 mm
Width	43.0 mm
Height	30.0 mm

Colors & materials

Casing material	Metal
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Temperatures & operating conditions

Ambient temperature range	-25...+55 °C
Maximum temperature at tc test point	80 °C
Max.housing temperature in case of fault	110 °C
Temperature range at storage	-40...+85 °C
Permitted rel. humidity during operation	5...85 % ¹⁾

¹⁾ Maximum 56 days/year at 85 %

Lifespan

ECG lifetime	50000 h ¹⁾
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¹⁾ At T_{case} = 70°C at T_c point / 10% failure rate

Additional product data

Encapsulated	No
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Product datasheet

Capabilities

Dimmable	No
Dimming interface	Not dimmable
Overheating protection	Automatic reversible
Overload protection	Automatic reversible
Short-circuit protection	Automatic reversible
No-load proof	Yes
Suitable for fixtures with prot. class	I
Number of channels	1





Certificates & standards

Approval marks – approval	CE / CB / CCC / BIS
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
Protection class	I
Type of protection	IP64

Logistical data

Commodity code	850440829000
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Download Data

File
 Product Datasheet 343030_Datasheet OTe 60110-27712 E
 Brochures OPTOTRONIC constant-voltage LED power supplies and controls (EN)
 Declarations of conformity EU Declaration of Conformity 3565780
 Installation guide 387990_Instruction Sheet OTe 60110-27012 E

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321794338	OTe 60/110...277/12 E	Shipping carton box 10	278 mm x 268 mm x 126 mm	9.39 dm ³	6546.00 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.

Product datasheet

Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.