

OT 30/220...240/12 P

CV Power supplies 12 V



Areas of application

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

Product benefits

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

Product datasheet

Technical data

Electrical data

Output power	30 W ¹⁾
Input voltage	198...264 V ²⁾
Mains frequency	50...60 Hz
Output voltage	12.5 V ³⁾
Nominal voltage	220...240 V
Nominal current	0.19 A ⁴⁾
Device power loss	5.0 W
Power factor λ	0.95/0.90 ⁵⁾
ECG efficiency	85 % ⁶⁾
Inrush current	30 A ⁷⁾
Max. no. of ECGs on circuit breaker 10 A	13
Max. no. of ECGs on circuit breaker 16 A	21
Galvanic isolation primary/secondary	3.75 kV ⁸⁾
Surge capability (L-N)	4 kV

1) Partial load 0...30 W

2) V_{AC} / Permitted voltage range

3) ± 0.5 V

4) At 230 V

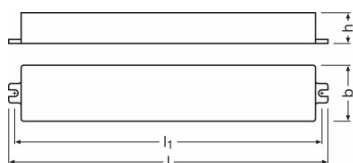
5) Full load at 230 V/Half load at 230 V

6) At full load and 230 V

7) $t_{width} = 170 \mu s$ (measured at 50 % I_{peak})

8) SELV-equivalent

Dimensions & weight



Product line drawing

Product datasheet

Length	220.0 mm
Width	40.0 mm
Mounting hole spacing, length	213.0 mm
Height	22.0 mm
Product weight	330.00 g
Cable cross-section, input side	1.0 mm ² ¹⁾
Cable cross-section, output side	1.0 mm ² ¹⁾
Wire preparation length, input side	10 mm

¹⁾ Flexible

Colors & materials

Casing material	Plastic
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Temperatures

Ambient temperature range	-25...+55 °C
Temperature range at storage	-40...85 °C
Maximum temperature at tc test point	80 °C
Max.housing temperature in case of fault	110 °C

Lifespan

ECG lifetime	50000 h ¹⁾
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¹⁾ At $T_a = 70^\circ\text{C}$ / 10% failure rate

Capabilities

Dimmable	Yes ¹⁾
Suitable for fixtures with prot. class	II
Overheating protection	Automatic reversible
Overload protection	Automatic reversible
Short-circuit protection	Automatic reversible
No-load proof	Yes
Maximum wiring length ECG/lamp	10 m




¹⁾ With OPTOTRONIC dimmers

Certificates & standards

Type of protection	IP66
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 61547
Approval marks – approval	CE / ENEC 18 / CB / C-Tick

Product datasheet

Download Data

File	
	Product Datasheet Datasheet_OT 30220-24012 P
	Declarations of conformity EC Declaration OT60120 220 240 12P
	Installation guide Instruction Sheet OT 30220-24012 P

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (height x width x length)	Volume	Gross weight
4052899905542	OT 30/220...240/12 P	Shipping carton box 30	223 mm x 292 mm x 356 mm	23.18 dm ³	12005.00 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.