

OT 15/220...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 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)

Product datasheet

Technical data

Electrical data

Nominal input voltage	220...240 V
Mains frequency	50...60 Hz
Input voltage AC	198...264 V ¹⁾
Total harmonic distortion	< 20 %
Power factor λ	> 0.5 ²⁾
ECG efficiency	80 % ³⁾
Device power loss	3.0 W
Inrush current	20 A ⁴⁾
Max. ECG no. on circuit breaker 10 A (B)	32
Max. ECG no. on circuit breaker 16 A (B)	51
Max. ECG no. on circuit breaker 25 A (B)	-
Surge capability (L-N)	4 kV
Nominal output voltage	12.5 V ⁵⁾
U-OUT (working voltage)	12.5 V
Nominal output power	15 W ⁶⁾
Galvanic isolation	SELV equivalent
Galvanic isolation primary/secondary	3.75 kV ⁷⁾

1) V_{AC} / Permitted voltage range

2) Full load at 230 V

3) At full load and 230 V

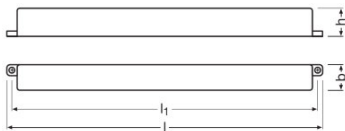
4) $t_{width} = 170 \mu s$ (measured at 50 % I_{peak})

5) $\pm 0.5 V$

6) Partial load 0...15 W

7) SELV-equivalent

Dimensions & weight



Mounting hole spacing, length	228.0 mm
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Product datasheet

Product weight	170.00 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
Wire preparation length, output side	10 mm
Cable/wire length, input side	300 mm
Cable/wire length, output side	300 mm
Length	237.0 mm
Width	20.0 mm
Height	22.0 mm

¹⁾ Flexible

Colors & materials

Casing material	Plastic
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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⁾ Non-condensing

Lifespan

ECG lifetime	50000 h ¹⁾
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¹⁾ At T_a = 70°C / 10% failure rate

Additional product data

Encapsulated	No
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Capabilities

Dimmable	No ¹⁾
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	II
Number of channels	1

¹⁾ With OPTOTRONIC dimmers

Product datasheet







Certificates & standards

Approval marks – approval	CE / ENEC 18 / CB / CCC / EAC
Standards	Acc. to IEC 61347-1/Acc. to IEC 61347-2-13/Acc. to IEC 62384/Acc. to CISPR 15/Acc. to EN 61000-3-2/Acc. to EN 61547
Protection class	II
Type of protection	IP66

Logistical data

Commodity code	850440829000
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Download Data

File
 Product Datasheet 344924_Datasheet_OT 15220-24012 P
 Brochures OPTOTRONIC constant-voltage LED power supplies and controls (EN)
 Certificates 345363_CB-Certificate OT15 220 240 12P
 Declarations of conformity 728507_EU Declaration OT
 Declarations of conformity EU Declaration of Conformity 3540579
 Installation/Operation notice 344925_Instruction Sheet_OT 15220-24012 P

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899905559	OT 15/220...240/12 P	Shipping carton box 50	356 mm x 309 mm x 209 mm	22.99 dm ³	8753.00 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.