

OT 30/220...240/12 P

CV Power supplies 12 V



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)

Areas of application

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

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	0.95/0.90 ²⁾
Efficiency in full-load	83 % ³⁾
Device power loss	5.0 W
Inrush current	30 A ⁴⁾
Max. ECG no. on circuit breaker 10 A (B)	13
Max. ECG no. on circuit breaker 16 A (B)	21
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	30 W ⁶⁾
Maximum output power	30 W ⁷⁾
Galvanic isolation	SELV equivalent
Galvanic isolation primary/secondary	3.75 kV ⁸⁾

¹⁾ V_{AC} / Permitted voltage range

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

³⁾ at 230 V, 50 Hz

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

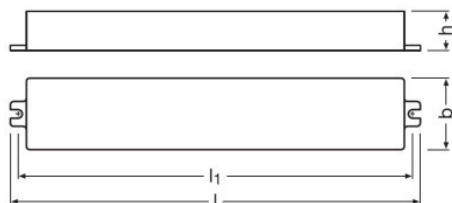
⁵⁾ $\pm 0.5 V$

⁶⁾ Partial load 0...30 W

⁷⁾ at steady state

⁸⁾ SELV-equivalent

Dimensions & weight



Mounting hole spacing, length	213.0 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
Wire preparation length, output side	10 mm
Cable/wire length, input side	300 mm
Cable/wire length, output side	300 mm
Length	220.0 mm
Width	40.0 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 $T_a = 70^\circ\text{C}$ / 10% failure rate

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
Intended for no-load operation	No
Suitable for fixtures with prot. class	II
Number of channels	1

Certificates & standards

Approval marks – approval	CE / ENEC 18 / CB / CCC / RCM / EAC / 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 61547
Protection class	II
Type of protection	IP66


Logistical data

Commodity code	850440829000
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Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	13-02-2022
Primary Article Identifier	4052899905542
Candidate List Substance 1	Lead
CAS No. of substance 1	7439-92-1
Safe Use Instruction	The identification of the Candidate List substance is sufficient to allow safe use of the article.
Declaration No. in SCIP database	cc620f72-2069-4f5b-bae1-bdb422cdf07d

Download Data

File
 Product Datasheet Datasheet OT 30220-24012 P

Product datasheet

	Brochures OPTOTRONIC constant-voltage LED power supplies and controls (EN)
	Declarations of conformity 728507_EU Declaration OT
	Declarations of conformity EU Declaration of Conformity 3540579
	CAD data 3-dim OT 30 220-240 12 P-3D stp file

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
4052899905542	OT 30/220...240/12 P	Shipping carton box 30	356 mm x 292 mm x 223 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.