

OT 100/220...240/24 P

CV Power supplies 24 V



Product family features

- DC mode functionality
- Type of protection: IP66 and IP67
- Surge protection: up to 4 kV (L-N) / 6 kV (L/N-PE)
- Wide operating temperature range: -30...+55 °C
- Lifetime: up to 50,000 h (temperature at max. t_c)

Product family benefits

- Large range of products from 20 W to 250 W
- Installation in very cold and hot environments
- Very stable output power
- High electrical reversible short-circuit, overload, overtemperature protection
- Smart Power Supply: boosting power to turn on cold LEDs
- Independent installation possible

Areas of application

- Facades, public squares, cruise ships
- Signage
- Suitable for indoor and outdoor installations

Product datasheet

Technical data

Electrical data

Nominal output power	100 W
Mains frequency	0...60 Hz
Nominal voltage	220...240 V
Device power loss	11.8 W
Power factor λ	0.95
Inrush current	60 A
Galvanic isolation primary/secondary	3 kV
Nominal output voltage	24.2 V
Input voltage DC	176...250 V
Input voltage AC	198...264 V
Efficiency in full-load	90 % ¹⁾

¹⁾ at 230 V, 50 Hz

Dimensions & weight



Length	240.0 mm
Width	50.0 mm
Height	34.0 mm
Mounting hole spacing, length	227.0 mm
Product weight	765.00 g

Temperatures & operating conditions

Ambient temperature range	-30...+55 °C
Permitted rel. humidity during operation	5...85 % ¹⁾

¹⁾ Maximum 56 days/year at 85 %

Additional product data

Product datasheet

Predecessor EAN	4008321981684
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Capabilities

Suitable for fixtures with prot. class	I
Overheating protection	Yes
Overload protection	Yes
Short-circuit protection	Yes
No-load proof	Yes
Dimmable	No
Number of channels	1

Certificates & standards

Type of protection	IP66/IP67
Standards	Acc. to EN 61347-1/Acc. to EN 61347-2-13/Acc. to EN 55015/Acc. to EN 61547/Acc. to EN 61000-3-2/Acc. to EN 61000-3-3/Acc. to EN 60598-1/Acc. to EN 62384
Approval marks – approval	ENEC / RCM / CCC / EAC / CE



Logistical data

Commodity code	850440839000
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Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	11-10-2022
Primary Article Identifier	4052899545984
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	b0fa6f39-4845-48df-8314-bcd66b3d8175

Download Data

File
 User instruction OPTOTRONIC LED Power Supply
 Product Datasheet Datasheet OT 100220-24024 P

Product datasheet

	Brochures OPTOTRONIC constant-voltage LED power supplies and controls (EN)
	Certificates CCC Certificate No. 2018011002043871
	Certificates CB Test Certificate No. SG PSB-LE-00906
	Certificates ENEC Certificate No. U6 18 01 84117 048
	Declarations of conformity Attestation of Conformity No. N8A 18 01 84117 054
	Declarations of conformity Attestation of Conformity No. E8A 18 01 84117 049
	Declarations of conformity OT 24V P DIMP CE 3537796 06 220222

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
4052899545984	OT 100/220...240/24 P	Shipping carton box 10	384 mm x 324 mm x 134 mm	16.67 dm ³	8704.00 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.