OT 130/220...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 electronical 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

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Technical data

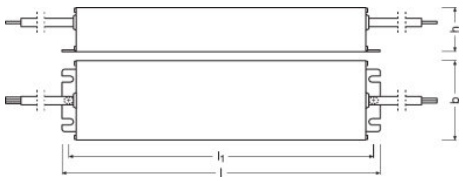
Electrical data

Nominal output power	130 W
Mains frequency	0…60 Hz
Nominal voltage	220…240 V
Device power loss	14.7 W
Power factor λ	095
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
Maximum output power	130 W [1)]
Efficiency in full-load	90.5 % [2)]

1) at steady state

2) at 230 V, 50 Hz

Dimensions & weight



Length	2200 mm
Width	630 mm
Height	370 mm
Mounting hole spacing, length	207.0 mm
Product weight	94300 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 %

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Additional product data

Predecessor EAN	4008321981707

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	85044083900

Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)	
Date of Declaration	09-06-2023
Primary Article Identifier	4052899546004
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	57d61b77-eb3b-4037-ba5a-062c4241bf95

Download Data

	File
	User instruction OPTOTRONIC LED Power Supply

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Product datasheet

	Product Datasheet Datasheet OT 130220-24024 P
	Brochures OPTOTRONIC constant-voltage LED power supplies and controls (EN)
	Certificates CCC Certificate No. 2018011002043871
	Certificates OT 24 P CB 4163267 01 101023
	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 09 080823

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
4052899546004	OT 130/220...240/24 P	Shipping carton box 10	439 mm x 299 mm x 126 mm	16.54 dm^3	10590.00 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.

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