OT 40/220...240/24 DIM P

CV Power supplies 24 V with 1...10 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)
- Dimmable via fully isolated 1...10 V interface

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
- Dimming range: 1...100 %

Areas of application

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

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Technical data

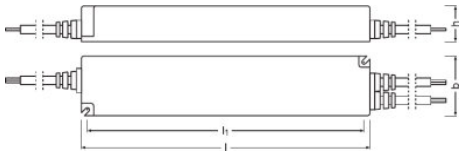
Electrical data

Nominal output power	40 W
Maximum output power	40 W [1]
Mains frequency	0…60 Hz
Efficiency in full-load	85 % [2]
Galvanic isolation primary/secondary	3 kV
Device power loss	6.0 W
Nominal output voltage	24.2 V
Input voltage DC	176…276 V
Inrush current	20 A
Input voltage AC	198…264 V
Power factor λ	0.95
Nominal voltage	220…240 V

[1] at steady state

[2] at 230 V, 50 Hz

Dimensions & weight



Mounting hole spacing, length	199.0 mm
Product weight	416.00 g
Length	208.0 mm
Width	43.0 mm
Height	26.0 mm

Temperatures & operating conditions

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

[1] Maximum 56 days/year at 85 %

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Capabilities

Suitable for fixtures with prot. class	II
Overheating protection	Yes
Overload protection	Yes
Short-circuit protection	Yes
No-load proof	Yes
Intended for no-load operation	No
Dimming interface	1...10 V
Dimmable	Yes
Number of channels	1

Certificates & standards

Type of protection	IP66
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

Logistical data

Commodity code	85044083900

Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)	
Date of Declaration	23-06-2023
Primary Article Identifier	4052899545823
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	805f645e-b0e6-4962-a500-7749a5851396

Download Data

	File
	User instruction OPTOTRONIC LED Power Supply
	Addon Technical Information Dimming table for OT (EN)

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Product datasheet

	Product Datasheet Datasheet OT 40220-24024 DIM P
	Brochures OPTOTRONIC constant-voltage LED power supplies and controls (EN)
	Certificates CCC Certificate No. 2018011002043864
	Certificates CB Test Certificate No. SG PSB-LE-00930
	Certificates ENEC Certficate No. U6 18 01 84117 051
	Declarations of conformity Attestation of Conformity No. N8A 18 01 84117 055
	Declarations of conformity Attestation of Conformity No. E8A 18 01 84117 050

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
4052899545823	OT 40/220...240/24 DIM P	Shipping carton box 20	334 mm x 310 mm x 194 mm	20.09 dm³	9965.00 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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