

PRODUCT DATASHEET OT 40/220...240/24 P

CV Power supplies 24 V | CV Power supplies 24 V



Areas of application

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

Product 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

Product 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)

TECHNICAL DATA

Electrical data

Nominal wattage	40.00 W
Nominal output power	40 W
Nominal voltage	220...240 V
Nominal output voltage	24.2 V
Input voltage AC	198...264 V
Input voltage DC	176...250 V
Inrush current	20 A
Mains frequency	0/60 Hz
Total harmonic distortion	< 15 %
Power factor λ	0.95
ECG efficiency	85 %
Device power loss	4 W
Max. ECG no. on circuit breaker 10 A (B)	36
Max. ECG no. on circuit breaker 16 A (B)	57
Max. ECG no. on circuit breaker 25 A (B)	87
Surge capability (L-N)	4 kV
Galvanic isolation	SELV

Dimensions & Weight



Length	208.00 mm
Mounting hole spacing, length	199 mm
Width	43.00 mm
Height	26.00 mm
Cable cross-section, input side	1 mm ²
Cable cross-section, output side	1 mm ²
Wire preparation length, input side	90 mm
Wire preparation length, output side	90 mm
Product weight	416.00 g

Colors & materials

Casing material	Plastic
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Body material	Plastic
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Temperatures & operating conditions

Ambient temperature range	-30...+55 °C
Maximum temperature at tc test point	90 °C
Max.housing temperature in case of fault	110 °C
Permitted rel. humidity during operation	5...85 % ¹⁾

¹⁾ Maximum 56 days/year at 85 %

Lifespan

ECG lifetime	50000 h
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Additional product data

Encapsulated	Yes
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Capabilities

Dimmable	No
Overheating protection	Yes
Overload protection	Yes
No-load proof	Yes
Short-circuit protection	Yes
Suitable for fixtures with prot. class	II
Type of connection, output side	Cables



Certificates & Standards







Approval marks – approval	ENEC / RCM / CCC / EAC
Standards	Acc. to EN 61000-3-3 / Acc. to EN 60598-1 / Acc. to EN 62384
Protection class	II
Type of protection	IP66

LOGISTICAL DATA

Temperature range at storage	-40...+85 °C
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DOWNLOAD DATA

Documents and certificates		Document name
	User instruction / safety instructions	OPTOTRONIC® LED Power Supply
	Declarations of conformity	Attestation of Conformity No. N8A 18 01 84117 055

Documents and certificates		Document name
	Declarations of conformity	Attestation of Conformity No. E8A 18 01 841 17 050
	Declarations of conformity	EU Declaration of Conformity 3537796
	Declarations of conformity	EU Declaration of Conformity OT 24V P_DIMP
	Certificates	CB Test Certificate No. SG PSB-LE-00930
	Certificates	ENEC Certificate No. U6 18 01 841 17 051
	Certificates	CCC Certificate No. 2018011002043864

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4052899545946	Folding box 1	293 mm x 63 mm x 38 mm	449.00 g	0.70 dm ³
4052899545953	Shipping box 20	334 mm x 310 mm x 194 mm	9525.00 g	20.09 dm ³

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.