

PRODUCT DATASHEET OT 250/220...240/24 DIM P

CV Power supplies 24 V with 1...10 V | CV Power supplies 24 V with 1...10 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
- Dimming range: 1...100 %

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 $_{\text{C}}$)
- Dimmable via fully isolated 1...10 V interface

TECHNICAL DATA

Electrical data

Nominal wattage	250.00 W
Nominal output power	250 W
Nominal voltage	220240 V
Nominal output voltage	24.2 V
Input voltage AC	198264 V
Input voltage DC	176276 V
U-OUT (working voltage)	30 V
Inrush current	75 A
Mains frequency	0/60 Hz
Total harmonic distortion	< 15 %
Power factor λ	0.95
ECG efficiency	92 %
Device power loss	20 W
Max. ECG no. on circuit breaker 10 A (B)	3
Max. ECG no. on circuit breaker 16 A (B)	8
Max. ECG no. on circuit breaker 25 A (B)	13
Surge capability (L/N-Ground)	6 kV
Surge capability (L-N)	4 kV
Galvanic isolation	SELV
Power loss in stand-by mode	< 0.5 W

Dimensions & Weight



Length	265.00 mm
Mounting hole spacing, length	250,0 mm
Width	68.00 mm
Height	40.00 mm
Cable cross-section, input side	1 mm²
Cable cross-section, output side	1 mm²
Wire preparation length, input side	90 mm
Wire preparation length, output side	90 mm

Product weight	1340.00 g
Colors & materials	
Casing material	Metal
Body material	Metal
emperatures & operating conditions	
Ambient temperature range	-30+55 °C
Maximum temperature at tc test point	85 °C
Max.housing temperature in case of fault	110 °C
Permitted rel. humidity during operation	585 % ¹⁾
.) Maximum 56 days/year at 85 %	
ECG lifetime	50000 h
Additional product data	
Encapsulated	Yes
Capabilities	
Dimmable	Yes
Dimming interface	110 V
Dimming range	1100 %
Overheating protection	Yes
Overload protection	Yes
No-load proof	Yes
Short-circuit protection	Yes
Suitable for fixtures with prot. class	I
Type of connection, output side	Fixed connection (terminal)
Certificates & Standards	
Approval marks – approval	ENEC / RCM / CCC / EAC
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
Protection class	ı
Type of protection	IP66/IP67
OGISTICAL DATA	

DOWNLOAD DATA

	Documents and certificates
POF	User instruction
PDF	Addon Technical Information
PDF	Declarations Of Conformity CE
POF	Certificates

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4052899545908	Folding box 1	326 mm x 88 mm x 51 mm	1385.00 g	1.46 dm³
4052899545915	Shipping box 10	459 mm x 344 mm x 144 mm	14752.00 g	22.74 dm³

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.