

PRODUCT DATASHEET OT 120/220...240/12 P

CV Power supplies 12 V | CV Power supplies 12 V



Areas of application

- Suitable for indoor and outdoor installations
- Ideal for mounting in very tight spaces

Product benefits

- Versatile scope of application due to output power range of up to 120 W
- Very high efficiency and reliability
- High IP protection (up to IP67)
- High surge protection: up to 3 kV (L-N) / 6 kV (L/N-PE)

TECHNICAL DATA

Electrical data

Nominal wattage	135.00 W
Nominal output power	120 W ¹⁾
Nominal voltage	220...240 V
Nominal output voltage	12.5 V ²⁾
Input voltage AC	198...264 V ³⁾
U-OUT (working voltage)	12.5 V
Nominal current	0.7 A
Inrush current	40 A
Mains frequency	50/60 Hz
Total harmonic distortion	< 20 %
Power factor λ	0.98 ⁴⁾
ECG efficiency	88 % ⁵⁾
Device power loss	18 W
Max. ECG no. on circuit breaker 10 A (B)	6
Max. ECG no. on circuit breaker 16 A (B)	10
Max. ECG no. on circuit breaker 25 A (B)	-
Surge capability (L/N-Ground)	6 kV
Surge capability (L-N)	3 kV
Galvanic isolation	SELV equivalent

1) Partial load 0...120 W

2) ± 0.5 V

3) V_{AC} / Permitted voltage range

4) Full load at 230 V/Half load at 230 V

5) At full load and 230 V

Dimensions & Weight

Length	250.00 mm
Mounting hole spacing, length	241,0 mm
Width	60.00 mm
Height	39.00 mm
Cable cross-section, input side	1 mm ² ¹⁾
Cable cross-section, output side	1 mm ² ¹⁾
Wire preparation length, input side	10 mm
Wire preparation length, output side	10 mm
Product weight	1150.00 g

1) Flexible

Colors & materials

Casing material	Metal
Body material	Metal

Temperatures & operating conditions

Ambient temperature range	-25...+55 °C
Maximum temperature at tc test point	80 °C
Max.housing temperature in case of fault	100 °C
Permitted rel. humidity during operation	5...85 % ¹⁾

1) Non-condensing

Lifespan

ECG lifetime	50000 h ¹⁾
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1) At T_{case} = 70°C at T_c point / 10% failure rate

Additional product data

Encapsulated	No
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Capabilities

Dimmable	No
Dimming interface	Not dimmable
Overheating protection	Automatic reversible
Overload protection	Automatic reversible
No-load proof	Yes
Short-circuit protection	Automatic reversible
Max. cable length to lamp/LED module	10 m
Suitable for fixtures with prot. class	I






Certificates & Standards

Approval marks – approval	CE / ENEC 18 / CB / CCC / RCM / EAC / BIS
Standards	Acc. to IEC 61347-1 / Acc. to IEC 61347-2-13 / Acc. to IEC 62384 / Acc. to CISPR 15 / Acc. to IEC 61000-3-2 / Acc. to IEC 61000-3-3 / Acc. to IEC 61547
Protection class	1
Type of protection	IP67

LOGISTICAL DATA

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

Documents and certificates		Document name
	User instruction / safety instructions	343881_Instruction Sheet_OT 120/220-240/12 P
	Declarations of conformity	728507_EU Declaration OT
	Declarations of conformity	EU Declaration of Conformity 3540579
	Certificates	545903_ENEC certificate-R OT 120/220-240/12 P
	Certificates	545902_ENEC certificate OT 120/220-240/12 P

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4008321790835	Folding box 1	340 mm x 106 mm x 58 mm	1240.00 g	2.09 dm ³
4008321790842	Shipping box 10	589 mm x 155 mm x 399 mm	13000.00 g	36.43 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.