

## OT 120/220...240/12 P

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
- IP rating: up to IP67
- High surge protection: up to 3 kV (L-N) / 6 kV (L/N-PE)

## Technical data

### Electrical data

Nominal input voltage	220...240 V
Mains frequency	50...60 Hz
Input voltage AC	198...264 V <sup>1)</sup>
Total harmonic distortion	< 20 %
Power factor $\lambda$	0.98/0.95 <sup>2)</sup>
ECG efficiency	88 % <sup>3)</sup>
Device power loss	18 W
Protective conductor current	<2.0 mA
Inrush current	40 A <sup>4)</sup>
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)	3 kV
Nominal output voltage	12.5 V <sup>5)</sup>
U-OUT (working voltage)	12.5 V
Nominal output power	120 W <sup>6)</sup>
Galvanic isolation	SELV equivalent
Galvanic isolation primary/secondary	3.75 kV <sup>7)</sup>
Surge capability (L/N-Ground)	6 kV

<sup>1)</sup>  $V_{AC}$  / Permitted voltage range

<sup>2)</sup> Full load at 230 V/Half load at 230 V

<sup>3)</sup> At full load and 230 V

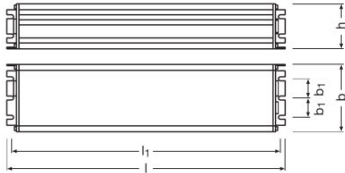
<sup>4)</sup> At 300  $\mu$ s

<sup>5)</sup>  $\pm 0.5$  V

<sup>6)</sup> Partial load 0...120 W

<sup>7)</sup> SELV-equivalent

## Dimensions & weight



<b>Length</b>	250.0 mm
<b>Width</b>	60.0 mm
<b>Height</b>	39.0 mm
<b>Mounting hole spacing, length</b>	241.0 mm
<b>Product weight</b>	1150.00 g
<b>Cable cross-section, input side</b>	1.0 mm <sup>2</sup> <sup>1)</sup>
<b>Cable cross-section, output side</b>	1.0 mm <sup>2</sup> <sup>1)</sup>
<b>Wire preparation length, input side</b>	10 mm
<b>Wire preparation length, output side</b>	10 mm
<b>Cable/wire length, input side</b>	450 mm
<b>Cable/wire length, output side</b>	450 mm
<b>Mounting hole spacing, width</b>	15.0 mm <sup>2)</sup>

<sup>1)</sup> Flexible

<sup>2)</sup> Side mounting

## Colors & materials

<b>Casing material</b>	Metal
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## Temperatures & operating conditions

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

## Lifespan

<b>ECG lifetime</b>	50000 h <sup>1)</sup>
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<sup>1)</sup> At  $T_{case} = 70^\circ\text{C}$  at  $T_c$  point / 10% failure rate

## Product datasheet

### Additional product data

Encapsulated	No
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### Capabilities

Dimmable	No <sup>1)</sup>
Dimming interface	Not dimmable
Overheating protection	Automatic reversible
Overload protection	Automatic reversible
Short-circuit protection	Automatic reversible
No-load proof	Yes
Suitable for fixtures with prot. class	I
Number of channels	1

<sup>1)</sup> With OPTOTRONIC dimmers







### 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	I
Type of protection	IP67

### Logistical data

Temperature range at storage	-40...85 °C
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### Download Data

File
 Product Datasheet 340366_OPTOTRONIC OT 120220-24012 P
 Certificates 545902_ENEC certificate OT 120220-24012 P
 Certificates 545903_ENEC certificate-R OT 120220-24012 P
 Declarations of conformity 728507_EU Declaration OT
 Declarations of conformity EU Declaration of Conformity 3540579
 Installation guide 343881_Instruction Sheet_OT 120220-24012 P

## Product datasheet

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### Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321790835	OT 120/220...240/12 P	Shipping carton box 10	589 mm x 155 mm x 399 mm	36.43 dm <sup>3</sup>	13000.00 g

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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.

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### Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.