

## OTe 120/110...277/12 E

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 voltage	110...277 V
Mains frequency	50...60 Hz
Input voltage AC	100...305 V <sup>1)</sup>
Total harmonic distortion	< 20 %
Power factor $\lambda$	0.95/0.90 <sup>2)</sup>
ECG efficiency	85 % <sup>3)</sup>
Device power loss	18 W <sup>4)</sup>
Protective conductor current	<2.0 mA
Inrush current	109 A <sup>5)</sup>
Max. ECG no. on circuit breaker 10 A (B)	3
Max. ECG no. on circuit breaker 16 A (B)	6
Max. ECG no. on circuit breaker 25 A (B)	-
Surge capability (L-N)	2 kV
Nominal output voltage	12.5 V <sup>6)</sup>
U-OUT (working voltage)	12.5 V
Nominal output power	120 W
Galvanic isolation	SELV equivalent
Galvanic isolation primary/secondary	3.75 kV <sup>7)</sup>
Surge capability (L/N-Ground)	3 kV

<sup>1)</sup> Permitted voltage range

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

<sup>3)</sup> At full load and 110...230 V

<sup>4)</sup> Maximum

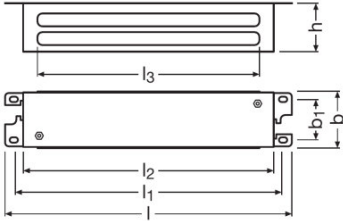
<sup>5)</sup> At 250  $\mu$ s

<sup>6)</sup>  $\pm$ 0.5 V

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

## Product datasheet

### Dimensions & weight



<b>Length</b>	258.0 mm
<b>Height</b>	44.5 mm
<b>Mounting hole spacing, length</b>	246.0 mm
<b>Product weight</b>	1150.00 g
<b>Cable cross-section, input side</b>	0.83 mm <sup>2</sup> <sup>1)</sup>
<b>Cable cross-section, output side</b>	0.83 mm <sup>2</sup> <sup>1)</sup>
<b>Wire preparation length, input side</b>	8.0 mm
<b>Wire preparation length, output side</b>	8.0 mm

<sup>1)</sup> Flexible

### Colors & materials

<b>Casing material</b>	Metal
------------------------	-------

### Temperatures & operating conditions

<b>Ambient temperature range</b>	-25...+55 °C
<b>Maximum temperature at tc test point</b>	85 °C <sup>1)</sup>
<b>Max.housing temperature in case of fault</b>	110 °C
<b>Permitted rel. humidity during operation</b>	5...85 %

<sup>1)</sup> Maximum at the Tc-point

### Lifespan

<b>ECG lifetime</b>	50000 h <sup>1)</sup>
---------------------	-----------------------

<sup>1)</sup> At  $T_{case} = 75^{\circ}C$  at  $T_c$  point / 10% failure rate

### Additional product data

<b>Encapsulated</b>	No
---------------------	----

### Capabilities

## Product datasheet

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



### Certificates & standards

Approval marks – approval	CE / CB / CCC / BIS
Standards	Acc. to IEC 61347-1/Acc. to IEC 61347-2-13/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	IP64

### Logistical data

Temperature range at storage	-40...85 °C
------------------------------	-------------

### Download Data

File
 Addon Technical Information 350855_Data sheet_OTe 120110-27712 E
 Installation/Operation notice 350856_Instruction sheet OTe 120_110-277 12 E

### Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321821263	OTe 120/110...277/12 E	Shipping carton box 10	408 mm x 302 mm x 141 mm	17.37 dm <sup>3</sup>	12459.00 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.