



English ▼



## CP-E 12/2.5

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### General Information

**Extended Product Type:**

CP-E 12/2.5

**Product ID:**

1SVR427032R1000

**EAN:**

4016779656900

**Catalog Description:**

CP-E 12/2.5 Power supply In:100-240VAC Out: 12VDC/2.5A

**Long Description:**

The CP-E 12/2.5 is a power supply from the CP-E range. The primary switch mode power supply offers a wide range input of 85-264 V AC and 90-375 V DC, rated input voltage is 100-240 V AC. The rated output power is 30 W, rated output current is 2.5 A at an output voltage of 12 V DC. The output voltag... [Show more](#)

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**Ordering****Minimum Order Quantity:**

1 piece

**Customs Tariff Number:**

85044095

**Popular Downloads****Data Sheet, Technical Information:**

[Data sheet - CP-E 12/2,5 Primary switch mode power supply.](#)

**Instructions and Manuals:**

[Instruction Sheet / Manual - CP-E 12/2,5, CP-E 24/1,25, CP-E 24/2,5, CP-E 48/0,62 and CP-E 48/1,25](#)

**Dimensions****Product Net Width:**

40.5 mm

**Product Net Height:**

90 mm

**Product Net Depth / Length:**

114 mm

**Product Net Weight:**

0.287 kg

**Container Information****Package Level 1 Width:**

132 mm

**Package Level 1 Depth / Length:**

154 mm

**Package Level 1 Height:**

58 mm

**Package Level 1 Gross Weight:**

0.358 kg

**Package Level 1 EAN:**

4016779656900

**Package Level 1 Units:**

box 1 piece

**Technical**

**Function:**

Switch mode power supply

**Number of Phases:**

1

**Rated Input Voltage ( $U_{IN}$ ):**

100 ... 240 V AC

**Input Voltage ( $U_{in}$ ):**

85 ... 264 V AC

90 ... 375 V DC

**Rated Frequency (f):**

50 Hz

**Rated Frequency Limits:**

47 ... 63 Hz

**Characteristic of Output:**

U/I characteristic curve

**Rated Output Power:**

30 W

**Output Power:**

30 W

**Rated Output Voltage:**

12 V DC

**Output Voltage ( $U_{out}$ ):**

12 V DC

**Rated Output Current:**

2.5 A

**Output Current:**

2.5 A

**Rated Impulse Withstand Voltage ( $U_{imp}$ ):**

Input Circuit / Output Circuit 4 kV

Input Circuit / PE 2.5 kV

Input Circuit / Relay Contact 4 kV

Output Circuit / PE 0.5 kV

**Rated Insulation Voltage ( $U_i$ ):**

Input Circuit / Output Circuit 300 V

Input Circuit / PE 300 V

Input Circuit / Relay Contact 300 V

Output Circuit / PE 50 V

**Degree of Protection:**

Housing IP20

Terminals IP20

**Pollution Degree:**

2

**Connecting Capacity Input Circuit:**Flexible with Ferrule 0.2 ... 2.5 mm<sup>2</sup>Rigid 0.2 ... 2.5 mm<sup>2</sup>**Connecting Capacity Output Circuit:**Flexible with Ferrule 0.2 ... 2.5 mm<sup>2</sup>Rigid 0.2 ... 2.5 mm<sup>2</sup>**Tightening Torque:**

Input Circuit 0.6 N·m

Output Circuit 0.6 N·m

**Wire Stripping Length:**

Input Circuit 6 mm  
Output Circuit 6 mm

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**Recommended Screw Driver:**

PH1

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**Minimum Mounting Distance:**

Electrical Conductive Board, Horizontal 25 mm  
Electrical Conductive Board, Vertical 25 mm  
Other Device Same Type, Horizontal 25 mm  
Other Device Same Type, Vertical 25 mm

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**Mounting Position:**

1

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**Mounting on DIN Rail:**

TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715  
TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715

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**Standards:**

ANSI/ISA-12.12  
CAN/CSA C22.2 No.107.1  
CAN/CSA C22.2 No.213  
CAN/CSA C22.2 No.223  
CAN/CSA C22.2 No.60950  
IEC/EN 63000  
IEC 60950-1  
IEC/EN 61000-6-2  
IEC/EN 61000-6-3  
UL 1310  
UL 508  
UL 60950

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**Technical UL/CSA****Connecting Capacity Input Circuit UL/CSA:**

Rigid 24-14 AWG

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**Connecting Capacity Output Circuit UL/CSA:**

Rigid 24-14 AWG

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**Tightening Torque UL/CSA:**

Input Circuit 5 in-lb  
Output Circuit 5 in-lb

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**Electromagnetic Compatibility****Electrostatic Discharge (ESD Immunity) acc. to IEC 61000-4-2:**

Level 4 Air Discharge 15 kV  
Level 4 Contact Discharge 8 kV

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**Radiated Electromagnetic Field Immunity acc. to IEC 61000-4-3:**

Level 3 10 V/m

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**Electrical Fast Transient (Burst Immunity) acc. to IEC 61000-4-4:**

Level 4 Power Supply Port Signal 4 kV

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**Surge Immunity acc. to IEC 61000-4-5:**

Level 3 Line-to-Line 2 kV  
Level 4 Line-to-Ground 4 kV

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**Conducted Disturbances Immunity acc. to IEC 61000-4-6:**

Level 3 10 V

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**Electromagnetic Compatibility (EMC):**

Immunity - Class B  
Emission - Class B

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## Environmental

### Ambient Air Temperature:

Operation -40 ... +70 °C

Storage -40 ... +85 °C

### Maximum Operating Altitude Permissible:

5000 m

## Material Compliance

### Conflict Minerals Reporting Template (CMRT):

[CMRT - Conflict Minerals Reporting Template](#)

### REACH Declaration:

[REACH Info for Power Supplies](#)

### RoHS Information:

[RoHS Declaration of conformity for Power Supplies](#)

### RoHS Status:

Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

### Toxic Substances Control Act - TSCA:

[Toxic Substances Control Act \(TSCA\) declaration for Power Supplies](#)

### WEEE B2C / B2B:

Business To Business

### WEEE Category:

5. Small Equipment (No External Dimension More Than 50 cm)

## Certificates and Declarations

### cUL Certificate:

[cUL508\\_E174460](#)

### cUR Certificate:

[cUR60950\\_E196145](#)

[cUR1310\\_E313203](#)

[cUR\\_ANSI\\_E317914](#)

### Declaration of Conformity - CE:

[EU Declaration of conformity - CP-E 48/0.62; CP-E 24/1.25; CP-E 48/1.25; CP-E 24/2.5; CON.CP-E 24/2.5 and CP-E 12/2.5 Power supply units](#)

### Declaration of Conformity - UKCA:

[UK Declaration of conformity - CP-E 48/0.62; CP-E 24/1.25; CP-E 48/1.25; CP-E 24/2.5; CON.CP-E 24/2.5 and CP-E 12/2.5 Power supply units](#)

### UL Certificate:

[UL Certificate \(UL 508\) - CP-C, CP-D, CP-E, CP-S, and CP-T range power supply units, CP-ASI power supply units and DC/DC converter, CP-B range buffer modules and extension module, CC-E and CC-U range analog signal converters](#)

### UR Certificate:

[UR Certificate \(UL 60950\) - CP-C, CP-D, CP-E, CP-S, CP-T range power supply units, CP-A range accessories, and CP-ASI power supply units and DC/DC converter](#)

[UR Certificate \(UL 1310\) - CP-D, CP-E range power supply units](#)

[UR Certificate \(ANSI/ISA-12.12\) - CP-D, CP-T range power supply units](#)

## External Classifications and Standards

### Object Classification Code:

T

### ETIM 7:

EC002540 - DC-power supply

**ETIM 8:**

EC002540 - DC-power supply

**ETIM 9:**

EC002540 - DC-power supply

**eClass:**

V11.0 : 27040701

**UNSPSC:**

39121004

**E-Number (Finland):**

2712840

**E-Number (Norway):**

6609446



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