

# CP-E 12/10.0



Products → Low Voltage Products and Systems → Control Products → Power Supplies

## General Information

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| <b>Extended Product Type:</b> | CP-E 12/10.0   |
| <b>Product ID:</b>            | 1SVR427035R1000  |
| <b>EAN:</b>                   | 4016779669719  |
| <b>Catalog Description:</b>   | CP-E 12/10.0 Netzteil  |
| <b>Long Description:</b>      | The CP-E 12/10.0 is a power supply from the CP-E range. The primary switch mode power supply offers a wide range input of 90-132 V AC, 180-264 V AC and 210-375 V DC, rated input voltage is 115 or 230 V AC (auto select). The rated output power is 120 W, rated output current is 10 A at an output voltage of 12 V DC. The output voltage is adjustable within a range of 11.4 to 14.5 V DC. The power supply provides an U/I output characteristic. In order to increase capacity, up to 3 units can be connected in parallel. A redundancy unit is available as accessory. |

## Additional Information

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| <b>Ambient Air Temperature:</b>           | Operation -35 ... +70 °C<br>Storage -40 ... +85 °C   |
| <b>CCC Certificate:</b>                   | CCC_2009010907324503   |
| <b>Country of Origin:</b>                 | China (CN)   |
| <b>Customs Tariff Number:</b>             | 85044090   |
| <b>Data Sheet, Technical Information:</b> | 2CDC114059D0201  |
| <b>Declaration of Conformity - CE:</b>    | 1SVD982008-0001  |
| <b>Degree of Protection:</b>              | Housing IP20<br>Terminals IP20   |
| <b>EAC Certificate:</b>                   | EAC_RU_C-DE.ME77.B.01651   |
| <b>EAN:</b>                               | 4016779669719  |
| <b>EPLAN Catalog Tree:</b>                | Electrical engineering / Voltage source and generator / General  |
| <b>ETIM 4:</b>                            | EC002540 - DC-power supply   |
| <b>ETIM 5:</b>                            | EC002540 - DC-power supply   |
| <b>ETIM 6:</b>                            | EC002540 - DC-power supply   |
| <b>Environmental Information:</b>         | 1SAA981005-2406  |
| <b>Function:</b>                          | Switch mode power supply   |
| <b>IIT Publishing Status:</b>             | Level 0 - Information enabled  |
| <b>Industrial IT Certification Level:</b> | 0  |
| <b>Input Voltage (U<sub>n</sub>):</b>     | 90 ... 132 V AC<br>180 ... 264 V AC<br>210 ... 375 V DC  |
| <b>Input Voltage Type:</b>                | 1  |
| <b>Instructions and Manuals:</b>          | 1SVC427032M0000  |
| <b>Invoice Description:</b>               | CP-E 12/10.0 Netzteil  |
| <b>Minimum Mounting Distance:</b>         | Electrical Conductive Board, Horizontal 25 mm<br>Electrical Conductive Board, Vertical 25 mm<br>Other Device Same Type, Horizontal 25 mm<br>Other Device Same Type, Vertical 25 mm |
| <b>Minimum Order Quantity:</b>            | 1 piece  |
| <b>Mounting Position:</b>                 | Position 1   |
| <b>Number of Phases:</b>                  | 1  |
| <b>Object Classification Code:</b>        | T  |
| <b>Output Current:</b>                    | 10 A   |
| <b>Output Power:</b>                      | 120 W  |

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| <b>Output Voltage (U<sub>out</sub>):</b>                                 | 12 V DC  |
| <b>Overload Protection:</b>  | Output power limitation  |
| <b>Overvoltage Category:</b>   | II   |
| <b>Package Level 1 EAN:</b>  | 4016779669719  |
| <b>Package Level 1 Gross Weight:</b>                                     | 0.999 kg   |
| <b>Package Level 1 Height:</b>   | 85 mm  |
| <b>Package Level 1 Length:</b>   | 160 mm   |
| <b>Package Level 1 Units:</b>  | 1 piece  |
| <b>Package Level 1 Width:</b>  | 162 mm   |
| <b>Pollution Degree:</b>   | 2  |
| <b>Power Loss:</b>   | Approximately 20 W   |
| <b>Product Main Type:</b>  | CP-E   |
| <b>Product Name:</b>   | Switch Mode Power Supply   |
| <b>Product Net Depth:</b>  | 123.6 mm   |
| <b>Product Net Height:</b>   | 123.6 mm   |
| <b>Product Net Weight:</b>   | 0.888 kg   |
| <b>Product Net Width:</b>  | 63.2 mm  |
| <b>Rated Frequency Limits:</b>   | 47 ... 63 Hz   |
| <b>Rated Insulation Voltage (U<sub>i</sub>):</b>                         | Input Circuit / Output Circuit 3 V<br>Input Circuit / PE 2 V   |
| <b>Regulatory Compliance Mark (RCM):</b>                                 | Yes  |
| <b>RoHS Date:</b>  | 1146   |
| <b>RoHS Information:</b>   | 1SVD982008-0001  |
| <b>RoHS Status:</b>  | Following EU Directive 2011/65/EC  |
| <b>Selling Unit of Measure:</b>  | piece  |
| <b>Short Description:</b>  | CP-E 12/10.0 Power supply  |
| <b>Standards:</b>  | EN 50581<br>IEC/EN 60950-1<br>IEC/EN 61000-6-2<br>IEC/EN 61000-6-3<br>UL 508<br>UL 60950<br>ANSI/ISA-12.12<br>CAN/CSA C22.2 No.107.1<br>CAN/CSA C22.2 No.213<br>CAN/CSA C22.2 No.60950 |
| <b>Terminal Type:</b>  | Screw Terminals  |
| <b>Tightening Torque:</b>  | Input Circuit 1 N·m<br>Output Circuit 0.62 N·m   |
| <b>Tightening Torque UL/CSA:</b>   | Input Circuit 9 in·lb<br>Output Circuit 5.5 in·lb  |
| <b>UL Certificate:</b>   | UL508_E174460  |
| <b>UNSPSC:</b>   | 39121100   |
| <b>UR Certificate:</b>   | UR60950_E196145<br>UR_ANSI_E317914   |
| <b>Wire Stripping Length:</b>  | Input Circuit 8 mm<br>Output Circuit 8 mm  |
| <b>cUL Certificate:</b>  | cUL508_E174460   |
| <b>cUR Certificate:</b>  | cUR60950_E196145<br>cUR_ANSI_E317914   |
| <b>eClass:</b>   | 7.0 27049002   |
| <b>Electrostatic Discharge (ESD Immunity)<br/>acc. to IEC 61000-4-2:</b> | Level 4 Air Discharge 15 kV<br>Level 4 Contact Discharge 8 kV  |

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| <b>Radiated Electromagnetic Field Immunity acc. to IEC 61000-4-3:</b>    | Level 3 10 V/m   |
| <b>Electrical Fast Transient (Burst Immunity) acc. to IEC 61000-4-4:</b> | Level 4 Power Supply Port Signal 4 kV  |
| <b>Surge Immunity acc. to IEC 61000-4-5:</b>                             | Level 3 Line-to-Line 2 kV<br>Level 4 Line-to-Ground 4 kV                           |
| <b>Conducted Disturbances Immunity acc. to IEC 61000-4-6:</b>            | Level 3 10 V   |
| <b>Electromagnetic Compatibility (EMC):</b>                              | Immunity - Class B<br>Emission - Class B   |
| <b>Rated Output Power:</b>   | 120 W  |
| <b>Rated Output Voltage:</b>   | 12 V DC  |
| <b>Rated Input Voltage (U<sub>N</sub>):</b>                              | 115 / 230 V AC   |
| <b>Connecting Capacity Output Circuit UL/CSA:</b>                        | Rigid 24-10 AWG  |
| <b>Connecting Capacity Input Circuit UL/CSA:</b>                         | Rigid 24-10 AWG  |
| <b>Connecting Capacity Output Circuit:</b>                               | Flexible with Ferrule 0.2 ... 4 mm <sup>2</sup><br>Rigid 0.2 ... 6 mm <sup>2</sup> |
| <b>Connecting Capacity Input Circuit:</b>                                | Flexible with Ferrule 0.2 ... 4 mm <sup>2</sup><br>Rigid 0.2 ... 6 mm <sup>2</sup> |
| <b>Rated Output Current:</b>   | 10 A   |
| <b>Characteristic of Output:</b>   | U/I characteristic curve   |

