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 PRODUCT-DETAILS

## CP-E 24/1.25

CP-E 24/1.25 Power supply In:100-240VAC  
Out: 24VDC/1.25A




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### General Information

|                       |  |
|-----------------------|--|
| Extended Product Type | CP-E 24/1.25   |
| Product ID            | 1SVR427031R0000  |
| EAN                   | 4016779656870  |
| Catalog Description   | CP-E 24/1.25 Power supply In:100-240VAC Out: 24VDC/1.25A |

|                  |  |
|------------------|--|
| Long Description | <p>The CP-E 24/1.25 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 1.25 A at an output voltage of 24 V DC. The output voltage is adjustable within a range of 24 to 28 V DC. The power supply provides a U/I output characteristic and allows parallel operation to enable redundancy. A further feature is the signalling output (transistor) for output voltage OK. A redundancy unit is available as accessory.</p> |
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### Ordering

|                        |          |
|------------------------|----------|
| Minimum Order Quantity | 1 piece  |
| Customs Tariff Number  | 85044095 |

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### Popular Downloads

Data Sheet, Technical  
Information  
Instructions and  
Manuals

2CDC114044D0201

1SVC427031M0000

## Dimensions

|                               |         |
|-------------------------------|---------|
| Product Net Width             | 40.5 mm |
| Product Net Height            | 90 mm   |
| Product Net Depth /<br>Length | 114 mm  |
| Product Net Weight            | 0.27 kg |

## Container Information

|                                   |               |
|-----------------------------------|---------------|
| Package Level 1 Width             | 132 mm        |
| Package Level 1 Depth /<br>Length | 154 mm        |
| Package Level 1 Height            | 58 mm         |
| Package Level 1 Gross<br>Weight   | 0.34 kg       |
| Package Level 1 EAN               | 4016779656870 |
| 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<br>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                             | 24 V DC  |
| Output Voltage ( $U_{out}$ )                     | 24 V DC  |
| Rated Output Current                             | 1.25 A   |
| Output Current                                   | 1.25 A   |
| Rated Impulse<br>Withstand Voltage ( $U_{imp}$ ) | Input Circuit / Output Circuit 4 kV<br>Input Circuit / PE 2.5 kV<br>Input Circuit / Relay Contact 4 kV<br>Output Circuit / PE 0.5 kV |
| Rated Insulation Voltage<br>( $U_i$ )            | Input Circuit / Output Circuit 300 V<br>Input Circuit / PE 300 V<br>Input Circuit / Relay Contact 300 V<br>Output Circuit / PE 50 V  |
| Degree of Protection                             | Housing IP20<br>Terminals IP20   |
| Pollution Degree                                 | 2  |
| Connecting Capacity<br>Input Circuit             | Flexible with Ferrule 0.2 ... 2.5 mm <sup>2</sup><br>Rigid 0.2 ... 2.5 mm <sup>2</sup>   |
| Connecting Capacity<br>Output Circuit            | Flexible with Ferrule 0.2 ... 2.5 mm <sup>2</sup><br>Rigid 0.2 ... 2.5 mm <sup>2</sup>   |

|                           |  |
|---------------------------|--|
| Tightening Torque         | Input Circuit 0.6 N-m<br>Output Circuit 0.6 N-m  |
| Wire Stripping Length     | Input Circuit 6 mm<br>Output Circuit 6 mm  |
| Recommended Screw Driver  | PH1  |
| Minimum Mounting Distance | 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   |
| Mounting Position         | 1  |
| Mounting on DIN Rail      | TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715<br>TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715   |
| Standards                 | 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.223<br>CAN/CSA C22.2 No.60950<br>IEC/EN 63000<br>IEC 60950-1<br>IEC/EN 61000-6-2<br>IEC/EN 61000-6-3<br>UL 1310<br>UL 508<br>UL 60950 |

## Technical UL/CSA

|   |   |
|---|---|
| Connecting Capacity Input Circuit UL/CSA  | Rigid 24-14 AWG                                 |
| Connecting Capacity Output Circuit UL/CSA | Rigid 24-14 AWG                                 |
| Tightening Torque UL/CSA                  | Input Circuit 5 in-lb<br>Output Circuit 5 in-lb |

## Electromagnetic Compatibility

|  |   |
|--|---|
| Electrostatic Discharge (ESD Immunity) acc. to IEC 61000-4-2     | Level 4 Air Discharge 15 kV<br>Level 4 Contact Discharge 8 kV |
| Radiated Electromagnetic Field Immunity acc. to IEC 61000-4-3    | Level 3 10 V/m  |
| Electrical Fast Transient (Burst Immunity) acc. to IEC 61000-4-4 | Level 4 Power Supply Port Signal 4 kV                         |
| Surge Immunity acc. to IEC 61000-4-5                             | Level 3 Line-to-Line 2 kV<br>Level 4 Line-to-Ground 4 kV      |
| Conducted Disturbances Immunity acc. to IEC 61000-4-6            | Level 3 10 V  |
| Electromagnetic Compatibility (EMC)                              | Immunity - Class B<br>Emission - Class B                      |

## Environmental

|  |  |
|--|--|
| Ambient Air Temperature                | Operation -40 ... +70 °C<br>Storage -40 ... +85 °C |
| Maximum Operating Altitude Permissible | 5000 m   |

## Material Compliance

|   |  |
|---|--|
| Conflict Minerals Reporting Template (CMRT) | 9AKK108467A5658  |
| REACH Declaration                           | 1SVD982001-4501  |
| RoHS Information                            | 1SVD982001-4401  |
| RoHS Status                                 | Following EU Directive 2011/65/EU                          |
| Toxic Substances Control Act - TSCA         | 2CMT2023-006535  |
| 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<br>cUR1310_E313203<br>cUR_ANSI_E317914 |
| Declaration of Conformity - CE   | 1SVD982008-00   |
| Declaration of Conformity - UKCA | 1SVD982008-10   |
| UL Certificate                   | UL508_E174460   |
| UR Certificate                   | UR60950_E196145<br>UR1310_E313203<br>UR_ANSI_E317914    |

## Classifications

|                            |                            |
|----------------------------|----------------------------|
| Object Classification Code | T                          |
| ETIM 4                     | EC002540 - DC-power supply |
| ETIM 5                     | EC002540 - DC-power supply |
| ETIM 6                     | EC002540 - DC-power supply |
| ETIM 7                     | EC002540 - DC-power supply |
| ETIM 8                     | EC002540 - DC-power supply |
| eClass                     | V11.0 : 27040701           |
| UNSPSC                     | 39121004                   |
| E-Number (Finland)         | 2712837                    |
| E-Number (Norway)          | 6609443                    |
| E-Number (Sweden)          | 5218701                    |

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## Categories

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Low Voltage Products and Systems → Control Products → Power Supplies → CP-E

Medium Voltage Products and Systems → Service → Spares and Consumables → Parts → All Spare Parts (Relays-SWG-CB)

