



PRODUCT-DETAILS

CP-E 24/5.0

CP-E 24/5.0 Power supply In:115/230VAC Out: 24VDC/5A



| General Information   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | CP-E 24/5.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Product ID            | 1SVR427034R0000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| EAN                   | 4016779669689                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Catalog Description   | CP-E 24/5.0 Power supply In:115/230VAC Out: 24VDC/5A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Long Description      | The CP-E 24/5.0 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 5 A at an output voltage of 24 V DC. The output voltage is adjustable within a range of 22.5 to 28.5 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. |

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

Popular Downloads

|                                   |                 |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 2CDC114060D0201 |
| Instructions and Manuals          | 1SVC427032M0000 |

Dimensions

|                            |          |
|----------------------------|----------|
| Product Net Width          | 63.2 mm  |
| Product Net Height         | 123.6 mm |
| Product Net Depth / Length | 123.6 mm |
| Product Net Weight         | 0.882 kg |

Container Information

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Width          | 162 mm        |
| Package Level 1 Depth / Length | 160 mm        |
| Package Level 1 Height         | 85 mm         |
| Package Level 1 Gross Weight   | 0.998 kg      |
| Package Level 1 EAN            | 4016779669689 |
| Package Level 1 Units          | box 1 piece   |

Technical

|                                                     |                                                                                                                                      |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Function                                            | Switch mode power supply                                                                                                             |
| Number of Phases                                    | 1                                                                                                                                    |
| Rated Input Voltage (U <sub>IN</sub> )              | 115 / 230 V AC                                                                                                                       |
| Input Voltage (U <sub>in</sub> )                    | 90 ... 132 V AC<br>180 ... 264 V AC<br>210 ... 375 V DC                                                                              |
| Rated Frequency (f)                                 | 50 Hz                                                                                                                                |
| Rated Frequency Limits                              | 47 ... 63 Hz                                                                                                                         |
| Characteristic of Output                            | U/I characteristic curve                                                                                                             |
| Rated Output Power                                  | 120 W                                                                                                                                |
| Output Power                                        | 120 W                                                                                                                                |
| Rated Output Voltage                                | 24 V DC                                                                                                                              |
| Output Voltage (U <sub>out</sub> )                  | 24 V DC                                                                                                                              |
| Rated Output Current                                | 5 A                                                                                                                                  |
| Output Current                                      | 5 A                                                                                                                                  |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ) | 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 (U <sub>i</sub> )          | 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 Input Circuit                   | Flexible with Ferrule 0.2 ... 4 mm <sup>2</sup><br>Rigid 0.2 ... 6 mm <sup>2</sup>                                                   |
| Connecting Capacity Output Circuit                  | Flexible with Ferrule 0.2 ... 4 mm <sup>2</sup><br>Rigid 0.2 ... 6 mm <sup>2</sup>                                                   |

|                           |                                                                                                                                                                                         |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tightening Torque         | Input Circuit 1 N-m<br>Output Circuit 0.62 N-m                                                                                                                                          |
| Wire Stripping Length     | Input Circuit 8 mm<br>Output Circuit 8 mm                                                                                                                                               |
| Recommended Screw Driver  | PH2                                                                                                                                                                                     |
| 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.60950<br>IEC/EN 63000<br>IEC 60950-1<br>IEC/EN 61000-6-2<br>IEC/EN 61000-6-3<br>UL 508<br>UL 60950 |

### Technical UL/CSA

|                                              |                                                   |
|----------------------------------------------|---------------------------------------------------|
| Connecting Capacity<br>Input Circuit UL/CSA  | Rigid 24-10 AWG                                   |
| Connecting Capacity<br>Output Circuit UL/CSA | Rigid 24-10 AWG                                   |
| Tightening Torque<br>UL/CSA                  | Input Circuit 9 in-lb<br>Output Circuit 5.5 in-lb |

### Electromagnetic Compatibility

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

### Environmental

|                                           |                                                    |
|-------------------------------------------|----------------------------------------------------|
| Ambient Air<br>Temperature                | Operation -35 ... +70 °C<br>Storage -40 ... +85 °C |
| Maximum Operating<br>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>cUR_ANSI_E317914 |
| Declaration of Conformity - CE   | 1SVD982035-00                        |
| Declaration of Conformity - UKCA | 1SVD982035-10                        |
| UL Certificate                   | UL508_E174460                        |
| UR Certificate                   | UR60950_E196145<br>UR_ANSI_E317914   |

| Classifications            |                            |
|----------------------------|----------------------------|
| 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)         | 2712082                    |
| E-Number (Norway)          | 6609450                    |
| E-Number (Sweden)          | 5248134                    |

| Categories                                                                                                       |
|------------------------------------------------------------------------------------------------------------------|
| 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) |

