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 PRODUCT-DETAILS

## CP-C.1 24/10.0

CP-C.1 24/10.0 Power supply In:100-240VAC/90-300VDC Out:DC 24V/10A




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**General Information**

|                       |  |
|-----------------------|--|
| Extended Product Type | CP-C.1 24/10.0   |
| Product ID            | 1SVR360663R1001  |
| EAN                   | 4013614503825  |
| Catalog Description   | CP-C.1 24/10.0 Power supply In:100-240VAC/90-300VDC Out:DC 24V/10A   |
| Long Description      | <p>The CP-C.1 24/10.0 is a power supply from the CP-C.1 range. The primary switch mode power supply offers a wide range input of 85-264 V AC and 90-300 V DC, rated input voltage is 110-240 V AC. The rated output power is 240 W, rated output current is 10 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 a U/I output characteristic with a power reserve of up to 50 % and allows parallel operation to increase capacity and to enable redundancy. Further features are: power factor correction acc. to EN 61000-3-2. Redundancy unit and buffer modules are available as accessories.</p> |

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**Ordering**

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

## Popular Downloads

|                                   |                 |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 2CDC114100D0201 |
| Instructions and Manuals          | 1SVC360560M0000 |

## Dimensions

|                            |          |
|----------------------------|----------|
| Product Net Width          | 60 mm    |
| Product Net Height         | 129.4 mm |
| Product Net Depth / Length | 136 mm   |
| Product Net Weight         | 1.07 kg  |

## Container Information

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Width          | 90 mm         |
| Package Level 1 Depth / Length | 168 mm        |
| Package Level 1 Height         | 160 mm        |
| Package Level 1 Gross Weight   | 1.21 kg       |
| Package Level 1 EAN            | 4013614503825 |
| Package Level 1 Units          | box 1 piece   |

## Technical

|   |   |
|---|---|
| Function                                      | Switch mode power supply  |
| Number of Phases                              | 1-phase   |
| Rated Input Voltage ( $U_{IN}$ )              | 100 ... 240 V AC<br>90 ... 300 V DC   |
| Input Voltage ( $U_{in}$ )                    | 85 ... 264 V AC<br>90 ... 300 V DC  |
| Typical Input Current                         | (115 V AC) 2.3 A<br>(230 V AC) 1.2 A  |
| Hold-up Time                                  | (230 V AC) min. 40 ms   |
| Rated Frequency (f)                           | 50 / 60 Hz  |
| Rated Frequency Limits                        | 45 ... 65 Hz  |
| Characteristic of Output                      | U/I characteristic curve with power reserve   |
| Rated Output Power                            | 240 W   |
| Output Power                                  | 240 W   |
| Rated Output Voltage                          | 24 V DC   |
| Output Voltage ( $U_{out}$ )                  | 24 V DC   |
| Rated Output Current                          | -25 °C ... +40 °C 15 A<br>-25 °C ... +60 °C 10 A  |
| Output Current                                | 10 A  |
| Output Current Maximum ( $I_{out}$ )          | 15 A  |
| Rated Impulse Withstand Voltage ( $U_{imp}$ ) | Input Circuit / Output Circuit 4 kV<br>Input Circuit / PE 4 kV<br>Input Circuit / Relay Contact 4 kV<br>Output Circuit / PE 0.5 kV<br>Output Circuit 0.5 kV |
| Rated Insulation Voltage ( $U_i$ )            | Input Circuit / Output Circuit 300 V<br>Input Circuit / PE 300 V<br>Input Circuit / Relay Contact 300 V   |

|                                       |  |
|---------------------------------------|--|
|                                       | Output Circuit / PE 50 V   |
| Degree of Protection                  | Housing IP20<br>Terminals IP20   |
| Pollution Degree                      | 2  |
| Connecting Capacity<br>Input Circuit  | Flexible with Ferrule 0.5 ... 2.5 mm <sup>2</sup><br>Flexible 0.5 ... 2.5 mm <sup>2</sup><br>Rigid 0.5 ... 4 mm <sup>2</sup>   |
| Connecting Capacity<br>Output Circuit | Flexible with Ferrule 0.5 ... 2.5 mm <sup>2</sup><br>Flexible 0.5 ... 2.5 mm <sup>2</sup><br>Rigid 0.5 ... 4 mm <sup>2</sup>   |
| Tightening Torque                     | Auxiliary Circuit 0.5 N-m<br>Control Circuit 0.9 N-m<br>Input Circuit 0.5 N-m<br>Output Circuit 0.5 N-m  |
| Wire Stripping Length                 | Auxiliary Circuit 8 mm<br>Input Circuit 8 mm<br>Output Circuit 8 mm  |
| Recommended Screw<br>Driver           | Input Circuit / Output Circuit PH1<br>Input Circuit / Output Circuit 0.8 x 4   |
| Minimum Mounting<br>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                     | Position 1<br>7  |
| 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                             | CAN/CSA C22.2 No.107.1<br>IEC/EN 63000<br>IEC/EN 61000-6-2<br>IEC/EN 61000-6-3<br>IEC/EN 61204<br>UL 508<br>IEC/EN 61010-1<br>UL 61010-1<br>UL 61010-2-201                         |

## Technical UL/CSA

|  |  |
|--|--|
| Connecting Capacity<br>Input Circuit UL/CSA  | Flexible with Ferrule 20-12 AWG<br>Flexible 20-12 AWG<br>Rigid 20-10 AWG |
| Connecting Capacity<br>Output Circuit UL/CSA | Flexible 20-12 AWG<br>Rigid 20-10 AWG                                    |
| Tightening Torque<br>UL/CSA                  | Input Circuit 4.4 in-lb<br>Output Circuit 4.4 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 4 Line-to-Ground 4 kV<br>Level 4 Line-to-Line 2 kV      |
| Conducted Disturbances   | Level 3 10 V  |

Immunity acc. to IEC  
61000-4-6

Electromagnetic  
Compatibility (EMC)

Immunity - Class B  
Emission - Class B

## Environmental

|  |  |
|--|--|
| Ambient Air Temperature                        | Operation -25 ... +70 °C<br>Storage -40 ... +85 °C                   |
| Maximum Operating Altitude Permissible         | 5000 m   |
| Resistance to Damp Heat acc. to IEC 60068-2-30 | Test Db: 55°C, 2 cycles  |
| Resistance to Shock acc. to IEC 60068-2-27     | 30g 3 shocks 6 ms  |
| Resistance to Vibrations                       | ±0.15 mm 10 ... 58 Hz<br>10 Sweep Cycles Each Axis: 2g 58 ... 150 Hz |

## Material Compliance

|   |  |
|---|--|
| Conflict Minerals Reporting Template (CMRT) | 9AKK108467A5658  |
| REACH Declaration                           | 1SVD982001-4501  |
| RoHS Information                            | 1SVD982001-4401  |
| RoHS Status                                 | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| 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

|                                  |  |
|----------------------------------|--|
| ABS Certificate                  | ABS_17-HG1591548-2-PDA                                       |
| CB Certificate                   | CB_DK_106053_A2_UL   |
| cULus Certificate                | cULus508_20150522-E174460                                    |
| cURus Certificate                | cURus60950_E196145-A9-UL<br>cURusANSI-12-12_20160916_E317914 |
| Declaration of Conformity - CE   | 1SVD982010-00  |
| Declaration of Conformity - UKCA | 1SVD982010-10  |
| DNV GL Certificate               | DNV_GL_TAA00000YB_1  |
| SEMI Certificate                 | SEMI_F47_4787681819-1  |

## External Classifications and Standards

|                            |                            |
|----------------------------|----------------------------|
| Object Classification Code | T                          |
| ETIM 9                     | EC002540 - DC-power supply |
| ETIM 10                    | EC002540 - DC-power supply |
| eClass                     | V11.0 : 27040701           |
| UNSPSC                     | 39121004                   |
| E-Number (Finland)         | 2712517                    |
| E-Number (Norway)          | 6609456                    |

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## Categories

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Low Voltage Products and Systems → Control Products → Power Supplies → CP-C.1

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

