

PRODUCT-DETAILS

CP-C.1-A-RU

CP-C.1-A-RU Redundancy unit for power supplies In: 2x20A, Out: 1x40A



General Information

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| Extended Product Type | CP-C.1-A-RU |
| Product ID | 1SVR360060R1001 |
| EAN | 4013614523816 |
| Catalog Description | CP-C.1-A-RU Redundancy unit for power supplies In: 2x20A, Out: 1x40A |
| Long Description | The CP-C.1-A-RU is a redundancy unit for CP-C.1 as well as CP-S.1 range power supplies. The input voltage range is 10 - 58 V DC. This unit, with 2 inputs / channels each up to 20 A and an output up to 40 A, provides true redundancy by 100 % decoupling of two parallel connected CP-C.1 range power supplies. |

Ordering

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|------------------------|----------|
| Minimum Order Quantity | 1 piece |
| Customs Tariff Number | 85044082 |

Popular Downloads

| | |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 2CDC114103D0201 |
| Instructions and Manuals | 1SVC360561M0000 |

Dimensions

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| Product Net Width | 56.4 mm |
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| Product Net Height | 129.4 mm |
| Product Net Depth / Length | 136 mm |
| Product Net Weight | 1.04 kg |

Container Information

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| Package Level 1 Width | 90 mm |
| Package Level 1 Depth / Length | 155 mm |
| Package Level 1 Height | 165 mm |
| Package Level 1 Gross Weight | 1.17 kg |
| Package Level 1 EAN | 4013614523816 |
| Package Level 1 Units | box 1 piece |

Technical

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|------------------------------------|--|
| Function | Redundancy unit |
| Rated Input Voltage (U_{IN}) | 12 ... 48 V DC |
| Input Voltage (U_{in}) | 10 ... 58 V DC |
| Rated Frequency (f) | DC |
| Rated Output Voltage | 12 ... 48 V DC |
| Output Voltage (U_{out}) | 10 ... 58 V DC |
| Rated Output Current | 40 A |
| Output Current | 60 A |
| Rated Insulation Voltage (U_i) | Input Circuit / Output Circuit 60 V |
| Degree of Protection | Housing IP20 Terminals IP20 |
| Pollution Degree | 2 |
| Connecting Capacity Input Circuit | Flexible with Ferrule 2.5 ... 10 mm ² Flexible 2.5 ... 10 mm ² Rigid 2.5 ... 16 mm ² |
| Connecting Capacity Output Circuit | Flexible with Ferrule 2.5 ... 10 mm ² Flexible 2.5 ... 10 mm ² Rigid 2.5 ... 16 mm ² |
| Tightening Torque | Input Circuit 1.2 N·m Output Circuit 1.2 N·m |
| Wire Stripping Length | Input Circuit 10 mm Output Circuit 10 mm |
| Recommended Screw Driver | Input Circuit / Output Circuit 0.8 x 4 Input Circuit / Output Circuit PH1 |
| 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 |
| Mounting Position | Position 1; 7 |
| 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 |
| Standards | IEC/EN 63000 IEC/EN 61000-6-2 IEC/EN 61000-6-3 IEC/EN 61204 UL 61010-2-201 UL 61010-1 IEC/EN 61010-1 |

Environmental

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| Ambient Air Temperature | Operation -25 ... +70 °C Storage -40 ... +85 °C |
| Maximum Operating Altitude Permissible | 5000 m |
| Resistance to Vibrations acc. to IEC 60068-2-6 | 10-58 Hz, ±0.15 mm; 58-150 Hz, 2g, 10 sweep cycles each axis |
| Resistance to Shock acc. to IEC 60068-2-27 | 30g / 3 shocks / 6 ms |
| Resistance to Damp Heat acc. to IEC 60068-2-30 | Test Db: 55°C, 2 cycles |
| RoHS Status | Following EU Directive 2011/65/EU |

Technical UL/CSA

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|---|---|
| Connecting Capacity Input Circuit UL/CSA | Flexible 12-8 AWG Rigid 12-6 AWG |
| Connecting Capacity Output Circuit UL/CSA | Flexible 12-8 AWG Rigid 12-6 AWG |
| Tightening Torque UL/CSA | Input Circuit 10.5 in-lb Output Circuit 10.5 in-lb |

Electromagnetic Compatibility

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| Electrostatic Discharge (ESD Immunity) acc. to IEC 61000-4-2 | Level 4 Air Discharge 15 kV Level 4 Contact Discharge 8 kV |
| Electromagnetic Compatibility (EMC) | Immunity - Class B Emission - Class B |

Certificates and Declarations (Document Number)

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|----------------------------------|---|
| ABS Certificate | ABS_17-HG1661393-1-PDA |
| CB Certificate | CB_DK-65060-M1-UL |
| cULus Certificate | cULus508_20170703-E174460 |
| cURus Certificate | cURus60950_E196145-A12-UL cURusANSI-12-12_20170825_E317914 |
| Declaration of Conformity - CE | 1SVD982027-00 |
| Declaration of Conformity - UKCA | 1SVD982027-10 |
| DNV GL Certificate | DNV_GL_TAA00001C0_1 |
| EAC Certificate | EAC_RU_C-DE.ME77.B.02880 |
| Instructions and Manuals | 1SVC360561M0000 |
| RoHS Information | 1SVD982027 |

Classifications

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|----------------------------|----------------------------|
| Object Classification Code | T |
| 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) | 2712550 |
| E-Number (Sweden) | 5213312 |

Categories

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

