



360°

Representative Image

Catalog No. 1SVR360060R1001

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

UPC No 4013614523816

Home > Controls & Protective Relays > Power Supplies

The CP-C.1-A-RU is a redundancy unit for CP-C.1 range power supplies. 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.

Descriptors

| | |
|----------|----------------|
| Category | Power Supplies |
|----------|----------------|

Specifications

| | |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Product Main Type | CP-C.1 |
| Input Voltage | 13 ... 28 V DC |
| Output Voltage | 24 V DC |
| Output Current | 60 A |
| Function | Redundancy unit |
| Rated Input Voltage | 24 V DC |
| Rated Output Voltage | 24 V DC |
| Rated Output Current | 40 A |
| Degree of Protection | Housing Terminals IP20 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 0.8 x 4 Output Circuit PH1 |
| Mounting Position | Position 1, 7 |
| Mounting on DIN Rail | TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715 TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715 EN 50581 |
| Standards | IEC/EN 60950-1 IEC/EN 61000-6-2 IEC/EN 61000-6-3 IEC/EN 61204 |
| Ambient Air Temperature | Operation -25 ... +70 °C Storage -40 ... +85 °C |
| 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 |


by ABB

Specifications

| | |
|-------------------------------------------|-----------------------------------------------------|
| RoHS Status | Following EU Directive 2011/65/EU |
| 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 1.2 in-lb Output Circuit 1.2 in-lb |
| Object Classification Code | T |

Classifications

| | |
|----------|----------------------------|
| ETIM 5.0 | EC002540 - DC-power supply |
| ETIM 6.0 | EC002540 - DC-power supply |
| ETIM 7 | EC002540 - DC-power supply |

Dimensions

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

Package Information

| | |
|--------------------------------|---------------|
| 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 | 1 piece |

Ordering

| | |
|------------------------|----------|
| Minimum Order Quantity | 1 |
| Customs Tariff Number | 85044082 |
| ECCN | N |
| ECN | N |

Electromagnetic Compatibility

| | |
|---------------------------------------------------------------|---------------------------------------------------------------|
| Electrostatic Discharge (ESD Immunity) acc. to IEC 61000-4-2 | Level 4 Air Discharge 15 kV Level 4 Contact Discharge 8 kV |
| Radiated Electromagnetic Field Immunity acc. to IEC 61000-4-3 | Level 3 10 V/m |
| Conducted Disturbances Immunity acc. to IEC 61000-4-6 | Level 3 10 V |
| Electromagnetic Compatibility (EMC) | Immunity - Class B Emission - Class B |