

## Catalog No. 1SVR427056R0000

Description: CP-T 24/20.0 Power supply In: 3x400-500VAC Out: 24VDC/20.0A

UPC No 4016779662376

Home > Controls & Protective Relays > Power Supplies

CP-T 24/20.0 Power supply In: 3x400-500VAC Out: 24VDC/20.0A



### Descriptors

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

### Specifications

|                                    |  |
|------------------------------------|--|
| Product Main Type                  | CP-T   |
| Number of phases                   | 3  |
| Input Voltage                      | 3 x 340 ... 575 V AC<br>480 ... 820 V DC   |
| Output Voltage                     | 24 V DC  |
| Output Current                     | 20 A   |
| Output Power                       | 480 W  |
| Function                           | Switch mode power supply   |
| Rated Input Voltage                | 3x 400 ... 500 V AC  |
| Rated Frequency Limits             | 47 ... 63 Hz   |
| Characteristic of Output           | U/I characterisitc curve or Hiccup-mode selectable   |
| Rated Output Power                 | 480 W  |
| Rated Output Voltage               | 24 V DC  |
| Rated Output Current               | 20 A   |
| Rated Insulation Voltage           | Input Circuit 3 V<br>Output Circuit 3 V<br>Input Circuit 2 V<br>PE 2 V   |
| Degree of Protection               | Housing<br>Terminals IP20<br>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 0.6 N-m<br>Auxiliary Circuit 8 mm  |
| Wire Stripping Length              | Input Circuit 8 mm<br>Output Circuit 8 mm  |
| 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                  | Position 1   |

**by ABB**

## Specifications

|   |   |
|---|---|
| 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>EN 50581<br>IEC/EN 60950-1<br>IEC/EN 61000-6-2<br>IEC/EN 61000-6-3<br>UL508<br>UL 60950 |
| Ambient Air Temperature                   | Operation -30 ... +70 °C<br>Storage -40 ... +85 °C  |
| Maximum Operating Altitude Permissible    | 5000 m  |
| RoHS Status                               | Following EU Directive 2011/65/EU   |
| Connecting Capacity Input Circuit UL/CSA  | Rigid 24-10 AWG   |
| Connecting Capacity Output Circuit UL/CSA | Rigid 24-10 AWG   |
| Tightening Torque UL/CSA                  | Input Circuit 9 in-lb<br>Output Circuit 5.5 in-lb   |
| Object Classification Code                | T   |

## Classifications

|          |                            |
|----------|----------------------------|
| ETIM 4   | EC002540 - DC-power supply |
| ETIM 5.0 | EC002540 - DC-power supply |
| ETIM 6.0 | EC002540 - DC-power supply |
| ETIM 7   | EC002540 - DC-power supply |

## Dimensions

|                            |          |
|----------------------------|----------|
| Product Net Width          | 150 mm   |
| Product Net Height         | 131 mm   |
| Product Net Depth / Length | 119 mm   |
| Product Net Weight         | 1.657 kg |

## Package Information

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Width          | 200 mm        |
| Package Level 1 Depth / Length | 190 mm        |
| Package Level 1 Height         | 190 mm        |
| Package Level 1 Gross Weight   | 1.922 kg      |
| Package Level 1 EAN            | 4016779662376 |
| Package Level 1 Units          | 1 piece       |

## Ordering

|                        |          |
|------------------------|----------|
| Minimum Order Quantity | 1        |
| Customs Tariff Number  | 85044090 |
| ECCN                   | N        |
| ECN                    | N        |

## Electromagnetic Compatibility

## 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-Line 4 kV        |
| Conducted Disturbances Immunity acc. to IEC 61000-4-6            | Level 3 10 V  |
| Electromagnetic Compatibility (EMC)                              | Immunity - Class B<br>Emission - Environment B                |