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 PRODUCT-DETAILS

## CP-T 24/20.0

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




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### General Information

|                       |   |
|-----------------------|---|
| Extended Product Type | CP-T 24/20.0  |
| Product ID            | 1SVR427056R0000   |
| EAN                   | 4016779662376   |
| Catalog Description   | CP-T 24/20.0 Power supply In: 3x400-500VAC Out: 24VDC/20.0A |
| Long Description      | CP-T 24/20.0 Power supply In: 3x400-500VAC Out: 24VDC/20.0A |

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### Ordering

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

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### Popular Downloads

|                                   |                 |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 2CDC114069D0201 |
| Instructions and Manuals          | 1SVC427051M0000 |

## Dimensions

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

## Container 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          | box 1 piece   |

## Technical

|   |  |
|---|--|
| Function                                      | Switch mode power supply   |
| Number of Phases                              | 3  |
| Rated Input Voltage ( $U_{IN}$ )              | 3x 400 ... 500 V AC  |
| Input Voltage ( $U_{in}$ )                    | 3 x 340 ... 575 V AC<br>480 ... 820 V DC   |
| Rated Frequency (f)                           | 50 Hz  |
| Rated Frequency Limits                        | 47 ... 63 Hz   |
| Characteristic of Output                      | U/I characterisitic curve or Hiccup-mode selectable  |
| Rated Output Power                            | 480 W  |
| Output Power                                  | 480 W  |
| Rated Output Voltage                          | 24 V DC  |
| Output Voltage ( $U_{out}$ )                  | 24 V DC  |
| Rated Output Current                          | 20 A   |
| Output Current                                | 20 A   |
| Rated Impulse Withstand Voltage ( $U_{imp}$ ) | Input Circuit / Output Circuit 6 kV<br>Input Circuit / PE 4 kV<br>Input Circuit / Relay Contact 4 kV<br>Output Circuit / PE 0.8 kV   |
| Rated Insulation Voltage ( $U_i$ )            | Input Circuit / Output Circuit 500 V<br>Input Circuit / PE 500 V<br>Input Circuit / Relay Contact 500 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 0.6 N·m  |
| Wire Stripping Length                         | Auxiliary Circuit 8 mm<br>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   |

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 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 |

**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                |

**Environmental**

|  |  |
|--|--|
| Ambient Air Temperature                | Operation -30 ... +70 °C<br>Storage -40 ... +85 °C |
| Maximum Operating 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<br>- CE   | 1SVD982037-00                        |
| Declaration of Conformity<br>- UKCA | 1SVD982037-10                        |
| UL Certificate                      | UL508_E174460                        |
| UR Certificate                      | UR60950_E196145<br>UR_ANSI_E317914   |

### Classifications

|                            |                            |
|----------------------------|----------------------------|
| Object Classification Code | T                          |
| ETIM 4                     | EC002540 - DC-power supply |
| 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)         | 2712073                    |
| E-Number (Sweden)          | 5218721                    |

### Categories

Low Voltage Products and Systems → Control Products → Power Supplies → CP-T

