

PRODUCT-DETAILS

## CP-T 24/5.0

CP-T 24/5.0 Power supply In: 3x400-500VAC  
Out: 24VDC/5.0A



### General Information

|                       |   |
|-----------------------|---|
| Extended Product Type | CP-T 24/5.0   |
| Product ID            | 1SVR427054R0000   |
| EAN                   | 4016779697866   |
| Catalog Description   | CP-T 24/5.0 Power supply In: 3x400-500VAC Out: 24VDC/5.0A |
| Long Description      | CP-T 24/5.0 Power supply In: 3x400-500VAC Out: 24VDC/5.0A |

### Ordering

|                        |          |
|------------------------|----------|
| Minimum Order Quantity | 1 piece  |
| Customs Tariff Number  | 85044090 |

### Popular Downloads

|                                   |                 |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 2CDC114067D0201 |
| Instructions and Manuals          | 1SVC427053M0000 |

### Dimensions

|                     |        |
|---------------------|--------|
| Product Net Width   | 74 mm  |
| Product Net Height  | 131 mm |
| Product Net Depth / | 119 mm |

## Length

|                    |         |
|--------------------|---------|
| Product Net Weight | 0.78 kg |
|--------------------|---------|

## Container Information

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Width          | 161 mm        |
| Package Level 1 Depth / Length | 86 mm         |
| Package Level 1 Height         | 164 mm        |
| Package Level 1 Gross Weight   | 0.892 kg      |
| Package Level 1 EAN            | 4016779697866 |
| Package Level 1 Units          | 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 Limits             | 47 ... 63 Hz   |
| Characteristic of Output           | Hiccup-mode  |
| Rated Output Power                 | 120 W  |
| Output Power                       | 120 W  |
| Rated Output Voltage               | 24 V DC  |
| Output Voltage ( $U_{out}$ )       | 24 V DC  |
| Rated Output Current               | 5 A  |
| Output Current                     | 5 A  |
| Rated Insulation Voltage ( $U_i$ ) | Input Circuit / Output Circuit 3 V<br>Input Circuit / PE 2 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                  | Auxiliary Circuit 1 N·m<br>Input Circuit 1 N·m<br>Output Circuit 0.6 N·m   |
| 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   |
| 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>UL 508<br>UL 60950 |

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## Environmental

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|  |  |
|--|--|
| Ambient Air Temperature                | Operation -40 ... +70 °C<br>Storage -40 ... +85 °C |
| Maximum Operating Altitude Permissible | 5000 m   |
| RoHS Status                            | Following EU Directive 2011/65/EU                  |

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## Technical UL/CSA

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|   |   |
|---|---|
| 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 |

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## Electromagnetic Compatibility

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|   |   |
|---|---|
| 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  |
| 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                |

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## Certificates and Declarations (Document Number)

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|                                |                                      |
|--------------------------------|--------------------------------------|
| CQC Certificate                | CQC_10001048915                      |
| cUL Certificate                | cUL508_E174460                       |
| cUR Certificate                | cUR60950_E196145<br>cUR_ANSI_E317914 |
| Declaration of Conformity - CE | 1SVD982006                           |
| EAC Certificate                | EAC_RU_C-DE.ME77.B.00768_20          |
| Instructions and Manuals       | 1SVC427053M0000                      |
| RoHS Information               | 1SVD982006                           |
| UL Certificate                 | UL508_E174460                        |
| UR Certificate                 | UR60950_E196145<br>UR_ANSI_E317914   |

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## Classifications

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|----------------------------|----------------------------|
| 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 |
| eClass                     | 7.0 27049002               |
| UNSPSC                     | 39121004                   |

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|                    |         |
|--------------------|---------|
| E-Number (Finland) | 2712069 |
| E-Number (Sweden)  | 5218717 |

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## Categories

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Low Voltage Products and Systems → Control Products → Power Supplies

