



PRODUCT-DETAILS

CP-D 24/4.2

CP-D 24/4.2 Power supply In: 100-240VAC Out: 24VDC/4.2A



General Information

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| Extended Product Type | CP-D 24/4.2 |
| Product ID | 1SVR427045R0400 |
| EAN | 4016779661195 |
| Catalog Description | CP-D 24/4.2 Power supply In: 100-240VAC Out: 24VDC/4.2A |
| Long Description | The CP-D 24/4.2 is a power supply from the CP-D range. The primary switch mode power supply offers a wide range input of 90-264 V AC and 120-375 V DC, rated input voltage is 100-240 V AC. The rated output power is 100 W, rated output current is 4.2 A at an output voltage of 24 V DC. The output voltage is adjustable within a range of 24 to 28 V DC. The power supply provides a U/I output characteristic. |

Ordering

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

Popular Downloads

| | |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 2CDC114057D0201 |
| Instructions and Manuals | 1SVC427043M0000 |

Dimensions

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| Product Net Width | 89.9 mm |
| Product Net Height | 91 mm |
| Product Net Depth / Length | 57.5 mm |
| Product Net Weight | 0.386 kg |

Container Information

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|--------------------------------|---------------|
| Package Level 1 Width | 91 mm |
| Package Level 1 Depth / Length | 134 mm |
| Package Level 1 Height | 105 mm |
| Package Level 1 Gross Weight | 0.449 kg |
| Package Level 1 EAN | 4016779661195 |
| Package Level 1 Units | box 1 piece |

Technical

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| Function | Switch mode power supply |
| Number of Phases | 1 |
| Rated Input Voltage (U_{IN}) | 100 ... 240 V AC |
| Input Voltage (U_{in}) | 90 ... 264 V AC 120 ... 375 V DC |
| Rated Frequency (f) | 50 / 60 Hz |
| Rated Frequency Limits | 47 ... 63 Hz |
| Characteristic of Output | U/I characteristic curve |
| Rated Output Power | 100 W |
| Output Power | 100 W |
| Rated Output Voltage | 24 V DC |
| Output Voltage (U_{out}) | 24 V DC |
| Rated Output Current | 4.2 A |
| Output Current | 4.2 A |
| Output Current Maximum (I_{out}) | 4.2 A |
| Rated Impulse Withstand Voltage (U_{imp}) | Input Circuit / Output Circuit 3 kV |
| Rated Insulation Voltage (U_i) | Input Circuit / Output Circuit 300 V Input Circuit / PE 300 V Output Circuit / PE 50 V |
| Degree of Protection | Housing IP20 Terminals IP20 |
| Pollution Degree | 2 |
| Connecting Capacity Input Circuit | Flexible with Ferrule 0.2 ... 2.5 mm ² Rigid 0.2 ... 2.5 mm ² |
| Connecting Capacity Output Circuit | Flexible with Ferrule 0.2 ... 2.5 mm ² Rigid 0.2 ... 2.5 mm ² |
| Tightening Torque | Input Circuit 0.7 N·m Output Circuit 0.7 N·m |
| Wire Stripping Length | Input Circuit 7 mm Output Circuit 7 mm |
| Recommended Screw Driver | 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 | 1 |

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|----------------------|---|
| 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 | CAN/CSA C22.2 No. 107.1 CAN/CSA C22.2 No. 60950 IEC/EN 63000 IEC 60950-1 IEC/EN 61000-6-2 IEC/EN 61000-6-3 UL 508 UL 60950 |

Technical UL/CSA

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|---|---|
| Connecting Capacity Input Circuit UL/CSA | Rigid 24-12 AWG |
| Connecting Capacity Output Circuit UL/CSA | Rigid 24-12 AWG |
| Tightening Torque UL/CSA | Input Circuit 6 in-lb Output Circuit 6 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 4 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 |
| Conducted Disturbances Immunity acc. to IEC 61000-4-6 | Level 3 10 V |
| Electromagnetic Compatibility (EMC) | Emission - Class B Immunity - Class B |

Environmental

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| Ambient Air Temperature | Operation -40 ... +70 °C Storage -40 ... +85 °C |
| Maximum Operating Altitude Permissible | 4850 m |

Material Compliance

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| 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 Consumer |
| WEEE Category | 5. Small Equipment (No External Dimension More Than 50 cm) |

Certificates and Declarations

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|-----------------|----------------|
| cUL Certificate | cUL508_E174460 |
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| cUR Certificate | cUR60950_E196145 |
| Declaration of Conformity - CE | 1SVD982033-00 |
| Declaration of Conformity - UKCA | 1SVD982033-10 |
| UL Certificate | UL508_E174460 |
| UR Certificate | UR60950_E196145 |

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 |
| ETIM 8 | EC002540 - DC-power supply |
| eClass | V11.0 : 27040701 |
| UNSPSC | 39121004 |
| E-Number (Finland) | 2712081 |
| E-Number (Sweden) | 5218730 |

Categories

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

