

## Catalog No. 1SVR427045R0400

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

**UPC No** 4016779661195

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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.



Representative Image

### Descriptors

Category	Power Supplies
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### Specifications

Product Main Type	CP-D
Number of phases	1
Input Voltage	90 ... 264 V AC 120 ... 375 V DC
Output Voltage	24 V DC
Output Current	4.2 A
Output Power	100 W
Function	Switch mode power supply
Rated Input Voltage	100 ... 240 V AC
Rated Frequency	50 Hz 60 Hz
Rated Frequency Limits	47 ... 63 Hz
Characteristic of Output	U/I characteristic curve
Rated Output Power	100 W
Rated Output Voltage	24 V DC
Rated Output Current	4.2 A
Output Current Maximum	4.2 A
Rated Impulse Withstand Voltage	Input Circuit 3 kV Output Circuit 3 kV
Degree of Protection	Housing Terminals IP20 IP20
Pollution Degree	2
Connecting Capacity Input Circuit	Flexible with Ferrule 0.2 ... 2.5 mm <sup>2</sup> Rigid 0.2 ... 2.5 mm <sup>2</sup>
Connecting Capacity Output Circuit	Flexible with Ferrule 0.2 ... 2.5 mm <sup>2</sup> Rigid 0.2 ... 2.5 mm <sup>2</sup>
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
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	Position 1

**by ABB**

## Specifications

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 EN 50581 IEC/EN 60950-1 IEC/EN 61000-6-2 IEC/EN 61000-6-3 UL508 UL 60950
Ambient Air Temperature	Operation -40 ... +70 °C Storage -40 ... +85 °C
Maximum Operating Altitude Permissible	4850 m
RoHS Status	Following EU Directive 2011/65/EU
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
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	89.9 mm
Product Net Height	91 mm
Product Net Depth / Length	57.5 mm
Product Net Weight	0.386 kg

## Package Information

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	1 piece

## Ordering

Minimum Order Quantity	1
Customs Tariff Number	85044090
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 4 kV
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## Electromagnetic Compatibility

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 kilovolt
Conducted Disturbances Immunity acc. to IEC 61000-4-6	Level 3 10 V
Electromagnetic Compatibility (EMC)	Emission - Class B Immunity - Class B