

Representative Image

Catalog No. 1SVR427044R0200

Description: CP-D 24/2.5 Power supply In: 100-240VAC Out: 24VDC/2.5A

UPC No 4016779661188

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The CP-D 24/2.5 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 60 W, rated output current is 2.5 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.

Descriptors

Category	Power Supplies

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	2.5 A
Output Power	60 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	60 W
Rated Output Voltage	24 V DC
Rated Output Current	2.5 A
Output Current Maximum	2.5 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 mm² Rigid 0.2 ... 2.5 mm²
Connecting Capacity Output Circuit	Flexible with Ferrule 0.2 ... 2.5 mm² Rigid 0.2 ... 2.5 mm²
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.223 CAN/CSA C22.2 No.60950 EN 50581 IEC/EN 60950-1 IEC/EN 61000-6-2 IEC/EN 61000-6-3 UL 1310 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	71 mm
Product Net Height	91 mm
Product Net Depth / Length	57.5 mm
Product Net Weight	0.252 kg

Package Information

Package Level 1 Width	91 mm
Package Level 1 Depth / Length	134 mm
Package Level 1 Height	87 mm
Package Level 1 Gross Weight	0.311 kg
Package Level 1 EAN	4016779661188
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 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 kilovolt
Conducted Disturbances Immunity acc. to IEC 61000-4-6	Level 3 10 V
Electromagnetic Compatibility (EMC)	Emission - Class B Immunity - Class B