PRODUCT-DETAILS

CP-D 24/2.5

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



General Information

Extended Product Type	CP-D 24/2.5
Product ID	1SVR427044R0200
EAN	4016779661188
Catalog Description	CP-D 24/2.5 Power supply In: 100-240VAC Out: 24VDC/2.5A
Long Description	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.

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85044090

Popular Downloads

Data Sheet, Technical Information	2CDC114056D0202
Instructions and Manuals	1SVC427042M0000

Dimensions

Product Net Width	71 mm
Product Net Height	91 mm
Product Net Depth / Length	57.5 mm
Product Net Weight	0.252 kg

Container 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	box 1 piece

Technical

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 Hz 60 Hz
Rated Frequency Limits	47 ... 63 Hz
Characteristic of Output	U/I characteristic curve
Rated Output Power	60 W
Output Power	60 W
Rated Output Voltage	24 V DC
Output Voltage (U_{out})	24 V DC
Rated Output Current	2.5 A
Output Current	2.5 A
Output Current Maximum (I_{out})	2.5 A
Rated Impulse Withstand Voltage (U_{imp})	Input Circuit / Output Circuit 3 kV
Degree of Protection	Housing IP20 Terminals 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
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 UL 508 UL 60950

Environmental

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

Technical UL/CSA

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

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

Certificates and Declarations (Document Number)

cUL Certificate	cUL508_E174460
cUR Certificate	cUR60950_E196145 cUR1310_E313203
Declaration of Conformity - CE	1SVD982007
EAC Certificate	EAC_RU_C-DE.ME77.B.00768_20
Instructions and Manuals	1SVC427042M0000
RoHS Information	1SVD982007
UL Certificate	UL508_E174460
UR Certificate	UR60950_E196145 UR1310_E313203

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
eClass	V11.0 : 27040701
UNSPSC	39121004
E-Number (Finland)	2712080
E-Number (Sweden)	5218729

Categories

Low Voltage Products and Systems → Control Products → Power Supplies

