



PRODUCT-DETAILS

CP-D 24/4.2

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



General Information	
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.
Display Name:	CP-D 24/4.2

Ordering	
Minimum Order Quantity:	1 piece
Customs Tariff Number:	85044095

Popular Downloads

Data Sheet, Technical Information:	2CDC114057D0201
Instructions and Manuals:	1SVC427043M0001

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

Container 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:	box 1 piece

Technical

Function:	Switch mode power supply
Number of Phases:	1-phase
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 24 ... 28 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
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

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

Environmental

Ambient Air Temperature: Operation -40 ... +70 °C
Storage -40 ... +85 °C

Maximum Operating Altitude Permissible: 4850 m

Material Compliance

Conflict Minerals Reporting Template (CMRT):	9AKK108467A5658
REACH Declaration:	1SVD982001-4501
RoHS Declaration:	1SVD982001-4401
RoHS Information:	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
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

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

External Classifications and Standards

Object Classification Code:	T
ETIM 9:	EC002540 - DC-power supply
ETIM 10:	EC002540 - DC-power supply
eClass:	V11.0 : 27040701
UNSPSC:	39121004
E-Number (Finland):	2712081
E-Number (Norway):	6609495
E-Number (Sweden):	5218730

Categories

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



360°