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 PRODUCT-DETAILS

## CP-D 12/0.83

CP-D 12/0.83 Power supply In: 100-240VAC  
Out: 12VDC/0.83A




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### General Information

Extended Product Type	CP-D 12/0.83
Product ID	1SVR427041R1000
EAN	4016779661201
Catalog Description	CP-D 12/0.83 Power supply In: 100-240VAC Out: 12VDC/0.83A
Long Description	The CP-D 12/0.83 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 10 W, rated output current is 0.83 A at an output voltage of 12 V DC. The power supply provides a U/I output characteristic.

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### Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85044095

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### Popular Downloads

Data Sheet, Technical Information	2CDC114052D0201
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## Dimensions

Product Net Width	18 mm
Product Net Height	91 mm
Product Net Depth / Length	57.5 mm
Product Net Weight	0.066 kg

## Container Information

Package Level 1 Width	91 mm
Package Level 1 Depth / Length	134 mm
Package Level 1 Height	34 mm
Package Level 1 Gross Weight	0.111 kg
Package Level 1 EAN	4016779661201
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 / 60 Hz
Rated Frequency Limits	47 ... 63 Hz
Characteristic of Output	Hiccup-mode
Rated Output Power	10 W
Output Power	10 W
Rated Output Voltage	12 V DC
Output Voltage ( $U_{out}$ )	12 V DC
Rated Output Current	0.83 A
Output Current	0.83 A
Output Current Maximum ( $I_{out}$ )	0.83 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 ... 1.5 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 0.6 N·m Output Circuit 0.6 N·m

Wire Stripping Length	Input Circuit 4 mm Output Circuit 4 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.223 CAN/CSA C22.2 No.60950 IEC/EN 63000 IEC 60950-1 IEC/EN 61000-6-2 IEC/EN 61000-6-3 UL 1310 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 5 in-lb Output Circuit 5 in-lb

## Electromagnetic Compatibility

Electrostatic Discharge (ESD Immunity) acc. to IEC 61000-4-2	Level 4 Air Discharge 8 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 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

cUL Certificate	cUL508_E174460
cUR Certificate	cUR60950_E196145 cUR1310_E313203
Declaration of Conformity - CE	1SVD982007-00
Declaration of Conformity - UKCA	1SVD982007-10
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
ETIM 8	EC002540 - DC-power supply
eClass	V11.0 : 27040701
UNSPSC	39121004
E-Number (Finland)	2712076
E-Number (Sweden)	5218727

## Categories

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

