PRODUCT-DETAILS

CP-E 12/2.5

CP-E 12/2.5 Power supply In:100-240VAC Out: 12VDC/2.5A



General Information

Extended Product Type	CP-E 12/2.5
Product ID	1SVR427032R1000
EAN	4016779656900
Catalog Description	CP-E 12/2.5 Power supply In:100-240VAC Out: 12VDC/2.5A
Long Description	The CP-E 12/2.5 is a power supply from the CP-E range. The primary switch mode power supply offers a wide range input of 85-264 V AC and 90-375 V DC, rated input voltage is 100 -240 V AC. The rated output power is 30 W, rated output current is 2.5 A at an output voltage of 12 V DC. The output voltage is adjustable within a range of 12 to 14 V DC. The power supply provides a U/I output characteristic and allows parallel operation to enable redundancy. A redundancy unit is available as accessory.

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85044095

Popular Downloads

Data Sheet, Technical Information	2CDC114042D0201

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Instructions and Manuals	1SVC427031M0000

Dimensions

Product Net Width	40.5 mm
Product Net Height	90 mm
Product Net Depth / Length	114 mm
Product Net Weight	0.287 kg

Container Information

Package Level 1 Width	132 mm
Package Level 1 Depth / Length	154 mm
Package Level 1 Height	58 mm
Package Level 1 Gross Weight	0.358 kg
Package Level 1 EAN	4016779656900
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})	85 ... 264 V AC 90 ... 375 V DC
Rated Frequency (f)	50 Hz
Rated Frequency Limits	47 ... 63 Hz
Characteristic of Output	U/I characteristic curve
Rated Output Power	30 W
Output Power	30 W
Rated Output Voltage	12 V DC
Output Voltage (U_{out})	12 V DC
Rated Output Current	2.5 A
Output Current	2.5 A
Rated Impulse Withstand Voltage (U_{imp})	Input Circuit / Output Circuit 4 kV Input Circuit / PE 2.5 kV Input Circuit / Relay Contact 4 kV Output Circuit / PE 0.5 kV
Rated Insulation Voltage (U_i)	Input Circuit / Output Circuit 300 V Input Circuit / PE 300 V Input Circuit / Relay Contact 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 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 0.6 N·m Output Circuit 0.6 N·m
Wire Stripping Length	Input Circuit 6 mm Output Circuit 6 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

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	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	ANSI/ISA-12.12 CAN/CSA C22.2 No.107.1 CAN/CSA C22.2 No.213 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 24-14 AWG
Connecting Capacity Output Circuit UL/CSA	Rigid 24-14 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 15 kV Level 4 Contact Discharge 8 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 Level 4 Line-to-Ground 4 kV
Conducted Disturbances Immunity acc. to IEC 61000-4-6	Level 3 10 V
Electromagnetic Compatibility (EMC)	Immunity - Class B Emission - Class B

Environmental

Ambient Air Temperature	Operation -40 ... +70 °C Storage -40 ... +85 °C
Maximum Operating Altitude Permissible	5000 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 Business
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

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Certificates and Declarations

cUL Certificate	cUL508_E174460
cUR Certificate	cUR60950_E196145 cUR1310_E313203 cUR_ANSI_E317914
Declaration of Conformity - CE	1SVD982008-00
Declaration of Conformity - UKCA	1SVD982008-10
UL Certificate	UL508_E174460
UR Certificate	UR60950_E196145 UR1310_E313203 UR_ANSI_E317914

Classifications

Object Classification Code	T
ETIM 7	EC002540 - DC-power supply
ETIM 8	EC002540 - DC-power supply
ETIM 9	EC002540 - DC-power supply
eClass	V11.0 : 27040701
UNSPSC	39121004
E-Number (Finland)	2712840
E-Number (Norway)	6609446

Categories

Low Voltage Products and Systems → Control Products → Power Supplies → CP-E
Medium Voltage Products and Systems → Service → Spares and Consumables → Parts → All Spare Parts (Relays-SWG-CB)



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