



 PRODUCT-DETAILS

CP-S.1 24/10.0

CP-S.1 24/10.0 Power supply In:100-240VAC/100-250VDC Out:DC 24V/10A



General Information

Extended Product Type:	CP-S.1 24/10.0
Product ID:	1SVR320661R1000
EAN:	4013614561115
Catalog Description:	CP-S.1 24/10.0 Power supply In:100-240VAC/100-250VDC Out:DC 24V/10A
Long Description:	The CP-S.1 24/10.0 is a power supply from the new generation CP-S.1 range. The primary switch mode power supply offers a wide range input of 85-264 V AC and 90-277 V DC, rated input voltage is 100-240 V AC, respectively 100-250 V DC. The rated output power is 240 W, rated output current is 10 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 with a power reserve of up to 150 % for 5 s and allows parallel operation to increase capacity and to enable redundancy. Further features are: power factor correction acc. to EN 61000-3-2. Redundancy unit and buffer modules are available as accessories.
Display Name:	CP-S.1 24/10.0

Ordering

Minimum Order Quantity:	1 piece
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Customs Tariff Number: 85044095

Popular Downloads

Data Sheet, Technical Information:	1SAC200139H0001
Instructions and Manuals:	1SVC320360M0000
Wiring Diagram:	9AKK107992A8774

Dimensions

Product Net Width:	40 mm
Product Net Height:	129.4 mm
Product Net Depth / Length:	127 mm
Product Net Weight:	0.83 kg

Container Information

Package Level 1 Width:	72 mm
Package Level 1 Depth / Length:	155 mm
Package Level 1 Height:	169 mm
Package Level 1 Gross Weight:	0.96 kg
Package Level 1 EAN:	4013614561115
Package Level 1 Units:	box 1 piece
Package Level 2 Width:	400 mm
Package Level 2 Depth / Length:	600 mm
Package Level 2 Height:	190 mm
Package Level 2 Gross Weight:	19 kg
Package Level 2 Units:	carton 19 piece

Technical

Function:	Switch mode power supply
Number of Phases:	1-phase
Rated Input Voltage (U _{IN}):	100 ... 240 V AC 100 ... 250 V DC
Input Voltage (U _{in}):	85 ... 264 V AC 90 ... 277 V DC
Typical Input Current:	(115 V AC) 2.45 A (230 V AC) 1.25 A
Hold-up Time:	(230 V AC) min. 20 ms
Rated Frequency (f):	50 / 60 Hz DC
Rated Frequency Limits:	45 ... 65 Hz

Characteristic of Output:	U/I characteristic curve with power reserve
Rated Output Power:	240 W
Output Power:	240 W
Rated Output Voltage:	24 V DC
Output Voltage (U_{out}):	24 V DC
Output Current:	10 A
Output Current Maximum (I_{out}):	15 A
Rated Impulse Withstand Voltage (U_{imp}):	Input Circuit / Output Circuit 4 kV Input Circuit / PE 4 kV Input Circuit / Relay Contact 4 kV Output Circuit / PE 0.8 kV Output Circuit 0.8 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 0.5 ... 4.0 mm ² Flexible 0.5 ... 4.0 mm ² Rigid 0.5 ... 4 mm ²
Connecting Capacity Output Circuit:	Flexible with Ferrule 0.5 ... 4.0 mm ² Flexible 0.5 ... 4.0 mm ² Rigid 0.5 ... 4 mm ²
Tightening Torque:	Input Circuit 0.5 N·m Output Circuit 1.13 N·m
Wire Stripping Length:	Auxiliary Circuit 7 mm Input Circuit 9 mm Output Circuit 9 mm
Recommended Screw Driver:	PH1 0.8 x 4 Input Circuit / Output Circuit PH1
Minimum Mounting Distance:	Other Device Same Type, Horizontal 30 mm Other Device Same Type, Vertical 50 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:	IEC/EN 61010-1 IEC/EN 61010-2-201 CAN/CSA C22.2 No.61010-1 IEC/EN 61204-3 IEC/EN 61000-6-2 IEC/EN 61000-6-3 IEC/EN 61000-6-4 EN 55032 EN 55011 CAN/CSA C22.2 No.61010-2-201

Technical UL/CSA

Connecting Capacity Input Circuit UL/CSA:	Flexible with Ferrule 20-12 AWG Flexible 20-12 AWG Rigid 20-12 AWG
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Connecting Capacity Output Circuit UL/CSA:	Flexible with Ferrule 20-12 AWG Flexible 20-12 AWG Rigid 20-12 AWG
Tightening Torque UL/CSA:	Input Circuit 4.4 in-lb Output Circuit 4.4 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
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Radiated Electromagnetic Field Immunity acc. to IEC 61000-4-3:	Level 3 10 V/m
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Surge Immunity acc. to IEC 61000-4-5:	Level 4 Line-to-Ground 4 kV Level 4 Line-to-Line 2 kV
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Electromagnetic Compatibility (EMC):	Immunity - Class B Emission - Class B
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Environmental

Ambient Air Temperature:	Operation -25 ... +70 °C Storage -40 ... +85 °C
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Maximum Operating Altitude Permissible:	5000 m
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Resistance to Damp Heat acc. to IEC 60068-2-30:	Test Db: 55°C, 2 cycles
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Resistance to Shock acc. to IEC 60068-2-27:	30g 3 shocks 6 ms
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Resistance to Vibrations:	±0.15 mm 10 ... 58 Hz 10 Sweep Cycles Each Axis: 2g 58 ... 150 Hz
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Material Compliance

Conflict Minerals Reporting Template (CMRT):	9AKK108467A5658
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REACH Declaration:	1SVD982001-4501
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RoHS Declaration:	1SVD982001-4401
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RoHS Information:	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
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SCIP:	850fcd00-6fac-47cc-981e-e725c90b884d Germany
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Simplified SCIP:	004a1304-32ed-47b4-845f-ca8a8d6d2b62 Spain 01d23835-cc7a-4a93-bd2a-9497e3ac7683 Bulgaria 108eb8c6-3b60-4ccf-8518-62c049161b78 Denmark 13adbbe3-f806-446e-b99b-cb938428a984 Italy 1ce31467-af6a-48b8-ba4a-5e8d9551c09e Germany 24eddf8f-121a-468f-8acb-4858ae2c8723 Hungary 324a6a7b-da37-44c0-b91f-b5053e0ea5d7 Portugal 32524d23-04d0-4bcb-8b0e-70935b1f3b27 Sweden 32b3a069-aecb-477a-a348-be025c34efec France 37983b4a-0d6c-4b6b-8b8d-1f991c29add7 Germany 3b9df1ca-5ffc-4fd4-870e-96d256dc7180 Netherlands 5cd805f8-24a9-4572-973f-a9267c019565 Belgium 5d9f2b60-a41e-4308-ba4c-5a1f561572c4 Poland 90107371-304c-4b17-abc2-2de4cfff4aa5 Germany beae0f74-a51a-47f3-923c-431ef1e6513b Sweden cfae6c6a-0087-4982-9df4-741b0268975a Poland d180c37a-d8e2-40d5-bd4b-333a19ed0d9d Finland d2c79401-2f53-45c6-a93d-a14017aa9a83 Germany d8b19dcc-5e33-4ddc-968e-fee1841a6c2b Estonia d9d18af8-e831-42ee-b5c4-3bac4ffe7938 Norway da3406e3-d641-4c17-a9e3-8c575b6cc033 Greece eacb5492-062f-4642-842a-c58948edeb70 Belgium ee67147a-7fd6-445a-b527-7cbb5adac8ea Croatia f08fb773-febf-49b7-b0f1-9fe2a1028d92 Poland f3d43484-fecc-4159-aa9a-6227c1094680 Czech Republic f74a1157-fbcb-4cd7-a21f-782c9a3812e8 Hungary fa116dbe-d322-476b-b72c-7854b69e5078 France
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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)

Certificates and Declarations

CB Certificate:	CB_DE_2-029942
cULus Certificate:	cULus61010-1_E174460 cULus121201_E523399
Declaration of Conformity - CE:	1SVD982043-00
Declaration of Conformity - UKCA:	1SVD982043-10
DNV Certificate:	DNV_TAA0000300
SEMI Certificate:	9AKK108470A0204

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):	2712888
E-Number (Norway):	6608902
E-Number (Sweden):	5213656

Categories

Products > Low Voltage Products and Systems > Control Products > Power Supplies > CP-S.1

