



 PRODUCT-DETAILS

CP-S.1 24/40.0

CP-S.1 24/40.0 Power supply In:110-240VAC/110-250VDC Out:DC 24V/40A



General Information

Extended Product Type	CP-S.1 24/40.0
Product ID	1SVR320861R1000
EAN	4013614561139
Catalog Description	CP-S.1 24/40.0 Power supply In:110-240VAC/110-250VDC Out:DC 24V/40A

Long Description	<p>The CP-S.1 24/40.0 is a power supply from the new generation CP-S.1 range. The primary switch mode power supply offers a wide range input of 99-264 V AC and 99-277 V DC, rated input voltage is 110-240 V AC, respectively 110-250 V DC. The rated output power is 960 W, rated output current is 40 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.</p>
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Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85044095

Popular Downloads

Data Sheet, Technical Information	1SAC200141H0001
Instructions and Manuals	1SVC320360M0000
Wiring Diagram	9AKK107992A8774

Dimensions

Product Net Width	125 mm
Product Net Height	129.4 mm
Product Net Depth / Length	127 mm
Product Net Weight	2.49 kg

Container Information

Package Level 1 Width	178 mm
Package Level 1 Depth / Length	168 mm
Package Level 1 Height	188 mm
Package Level 1 Gross Weight	2.86 kg
Package Level 1 EAN	4013614561139
Package Level 1 Units	box 1 piece
Package Level 2 Width	350 mm
Package Level 2 Depth / Length	555 mm
Package Level 2 Height	210 mm
Package Level 2 Gross Weight	18.5 kg
Package Level 2 Units	carton 6 piece

Technical

Function	Switch mode power supply
Number of Phases	1-phase
Rated Input Voltage (U_{IN})	110 ... 240 V AC 110 ... 250 V DC
Input Voltage (U_{in})	99 ... 264 V AC 99 ... 277 V DC
Typical Input Current	(115 V AC) 9.5 A (230 V AC) 5 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
Output Power	960 W
Rated Output Voltage	24 V DC
Output Voltage (U_{out})	24 V DC
Output Current	40 A
Output Current Maximum (I_{out})	60 A
Rated Impulse	Input Circuit / Output Circuit 4 kV

Withstand Voltage (U_{imp})	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 ... 10.0 mm ² Flexible 0.5 ... 10.0 mm ² Rigid 0.5 ... 10.0 mm ²
Connecting Capacity Output Circuit	Flexible with Ferrule 0.5 ... 10 mm ² Flexible 0.5 ... 10.0 mm ² Rigid 0.5 ... 10.0 mm ²
Tightening Torque	2.8 N·m Input Circuit 1.47 N·m Output Circuit 1.47 N·m
Wire Stripping Length	Auxiliary Circuit 7 mm Input Circuit 10 mm Output Circuit 10 mm
Recommended Screw Driver	PH2 1 x 5.5 Input Circuit / Output Circuit PH2
Minimum Mounting Distance	Other Device Same Type, Horizontal 25 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

Technical UL/CSA

Connecting Capacity Input Circuit UL/CSA	Flexible with Ferrule 20-8 AWG Flexible 20-8 AWG Rigid 20-8 AWG
Connecting Capacity Output Circuit UL/CSA	Flexible with Ferrule 20-8 AWG Flexible 20-8 AWG Rigid 20-8 AWG
Tightening Torque UL/CSA	Input Circuit 13 in·lb Output Circuit 13 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
Surge Immunity acc. to IEC 61000-4-5	Level 4 Line-to-Ground 4 kV Level 4 Line-to-Line 2 kV
Electromagnetic Compatibility (EMC)	Immunity - Class B Emission - Class B

Environmental

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

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
SCIP	8813066c-d5b7-4c77-a7a3-21675aef727a Germany
Simplified SCIP	0499dcb8-d039-4ae0-af28-93e61c8c5a46 Netherlands 0814bc51-d9ed-4538-aba7-c662c0a50724 Germany 140e05d1-0b44-4c38-929b-0f9a823a64ee Poland 184cf0db-6a96-47b6-b74c-a4e5de367fec Czech Republic 1fe8d86b-a06a-4f43-aa11-e03354fc09fd Germany 2789a533-a6ae-420d-b00f-90ea2d3b0182 Belgium 2794299e-df1e-4923-acc7-5030e3919aac Spain 28492e48-c5cf-40fb-8968-ed8d332f8e21 Norway 2869396b-8ba5-4cd7-b361-15e254a3b60a Finland 301bb389-d362-48cd-8e19-05233544efc5 Sweden 32a555d7-e6f9-4080-803e-2821d0f3b49a Sweden 469e4d47-2a55-4d05-a2b4-fd02c5ef94ce Hungary 51ddeeb05-125e-4580-8083-a4f30f746dc9 France 527ebfc2-a851-4eef-9127-fd6c40bb54b9 Belgium 5b4e7758-f927-4eb7-84b8-a46f7d2f1234 Croatia 6bde752d-fa75-45ad-b6c9-5a547c4bb365 Hungary 8b7117d7-a82c-49e5-a11d-984f4617f508 Portugal 8f7b2cc5-3519-4546-bf97-08c0dd74b2f3 Estonia b66c890a-f66e-4cd8-b5f8-533f1063f3cb Greece b706b933-404d-4fc2-b718-58998c0d2e8b Denmark b7706c17-adc5-4a7e-aef4-960d2a035c96 Poland be7abafa-215e-464c-88ab-c5b86f7d2885 Bulgaria cce756a7-68f4-4ea6-8c5e-50bfc0ced45c Germany cd5d2142-9c5f-4416-a11c-3420b8cf0444 Poland d20edd36-46ab-4912-b8d6-9d1483d469f4 Italy da528829-4b26-44dc-8fc6-5570debd7329 Germany fb8d8208-0b11-43b7-8946-73f425122e70 France
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_2-029958-M1
cULus Certificate	cULus61010-1_E174460 cULus121201_E523399
Declaration of Conformity - CE	1SVD982043-00
Declaration of Conformity - UKCA	1SVD982043-10
DNV Certificate	DNV_TAA0000300

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)	2712890
E-Number (Norway)	6608904
E-Number (Sweden)	5213658

Categories

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

