

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	1SAC200141H0001
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Information

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
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 Hz 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 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 ... 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
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

Environmental

Ambient Air Temperature	Operation -25 ... +70 °C Storage -40 ... +85 °C
Maximum Operating Altitude Permissible	5000 m
REACH Declaration	No declaration needed
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 acc. to IEC 60068-2-6	10-58 Hz, ±0.15 mm 58-150 Hz, 2g, 10 sweep cycles each axis

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	Level 3 10 V/m

Immunity acc. to IEC 61000-4-3	
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

Certificates and Declarations

CB Certificate	CB_DE_2-029958-M1
Declaration of Conformity - CE	1SVD982043-00
Declaration of Conformity - UKCA	1SVD982043-10
DNV Certificate	DNV_TAA0000300
EAC Certificate	EAC_RU_C-DE.MO05.B.01452

Classifications

Object Classification Code	T
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)	2712890
E-Number (Sweden)	5213658

Categories

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

