

## General Information

<b>Extended Product Type:</b>	CP-E 24/2.5
<b>Product ID:</b>	1SVR427032R0000
<b>EAN:</b>	4016779656887
<b>Catalog Description:</b>	CP-E 24/2.5 Power supply In:100-240VAC Out: 24VDC/2.5A
<b>Long Description:</b>	The CP-E 24/2.5 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 60 W, rated output current is 2.5 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 and allows parallel operation to enable redundancy. A further feature is the signalling output (transistor) for output voltage OK. A redundancy unit is available as accessory.

## Categories

Products » Low Voltage Products and Systems » Control Products » Power Supplies  
 Products » Power Automation Products » Remote Terminal Units » RTU500 series modules » RTU500 series power supply units

## Ordering

<b>Minimum Order Quantity:</b>	1 piece
<b>Customs Tariff Number:</b>	85044090
<b>EAN:</b>	4016779656887

## Dimensions

<b>Product Net Height:</b>	90 mm
<b>Product Net Depth:</b>	114 mm
<b>Product Net Weight:</b>	0.331 kg
<b>Product Net Width:</b>	40.5 mm

## Container Information

<b>Package Level 1 Length:</b>	154 mm
<b>Package Level 1 Height:</b>	58 mm
<b>Package Level 1 Gross Weight:</b>	0.4 kg
<b>Package Level 1 Units:</b>	1 piece
<b>Package Level 1 Width:</b>	132 mm

## Technical

<b>Number of Phases:</b>	1
<b>Rated Input Voltage (<math>U_{IN}</math>):</b>	100 ... 240 V AC
<b>Input Voltage (<math>U_{IN}</math>):</b>	85 ... 264 V AC 90 ... 375 V DC
<b>Rated Frequency Limits:</b>	47 ... 63 Hz
<b>Characteristic of Output:</b>	U/I characteristic curve
<b>Rated Output Power:</b>	60 W
<b>Output Power:</b>	60 W
<b>Rated Output Voltage:</b>	24 V DC
<b>Output Voltage (<math>U_{out}</math>):</b>	24 V DC
<b>Rated Output Current:</b>	2.5 A
<b>Output Current:</b>	2.5 A
<b>Rated Insulation Voltage (<math>U_i</math>):</b>	Input Circuit / Output Circuit 3 V Input Circuit / PE 2 V
<b>Degree of Protection:</b>	Housing IP20 Terminals IP20
<b>Pollution Degree:</b>	2
<b>Connecting Capacity Input Circuit:</b>	Flexible with Ferrule 0.2 ... 2.5 mm <sup>2</sup> Rigid 0.2 ... 2.5 mm <sup>2</sup>
<b>Connecting Capacity Output Circuit:</b>	Flexible with Ferrule 0.2 ... 2.5 mm <sup>2</sup> Rigid 0.2 ... 2.5 mm <sup>2</sup>
<b>Tightening Torque:</b>	Input Circuit 0.6 N·m Output Circuit 0.6 N·m
<b>Wire Stripping Length:</b>	Input Circuit 6 mm Output Circuit 6 mm
<b>Minimum Mounting Distance:</b>	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

<b>Mounting Position:</b>	Position 1
<b>Mounting on DIN Rail:</b>	TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715 TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715
<b>Standards:</b>	IEC/EN 60950-1 IEC/EN 61000-6-2 IEC/EN 61000-6-3 UL 508 UL 60950 UL 1310 ANSI/ISA-12.12 CAN/CSA C22.2 No.107.1 CAN/CSA C22.2 No.213 CAN/CSA C22.2 No.60950 CAN/CSA C22.2 No.223
<b>Function:</b>	Switch mode power supply

## Environmental

<b>Ambient Air Temperature:</b>	Operation -40 ... +70 °C Storage -40 ... +85 °C
<b>RoHS Status:</b>	Following EU Directive 2011/65/EC

## Technical UL/CSA

<b>Connecting Capacity Input Circuit UL/CSA:</b>	Rigid 24-14 AWG
<b>Connecting Capacity Output Circuit UL/CSA:</b>	Rigid 24-14 AWG
<b>Tightening Torque UL/CSA:</b>	Input Circuit 5 in-lb Output Circuit 5 in-lb

## Electromagnetic Compatibility

<b>Radiated Electromagnetic Field Immunity acc. to IEC 61000-4-3:</b>	Level 3 10 V/m
<b>Electrical Fast Transient (Burst Immunity) acc. to IEC 61000-4-4:</b>	Level 4 Power Supply Port Signal 4 kV
<b>Surge Immunity acc. to IEC 61000-4-5:</b>	Level 3 Line-to-Line 2 kV Level 4 Line-to-Ground 4 kV
<b>Conducted Disturbances Immunity acc. to IEC 61000-4-6:</b>	Level 3 10 V
<b>Electromagnetic Compatibility (EMC):</b>	Immunity - Class B Emission - Class B
<b>Electrostatic Discharge (ESD Immunity) acc. to IEC 61000-4-2:</b>	Level 4 Air Discharge 15 kV Level 4 Contact Discharge 8 kV

## Certificates and Declarations (Document Number)

<b>Instructions and Manuals:</b>	1SVC427031M0000
<b>CCC Certificate:</b>	CCC_2008010907282731
<b>cUL Certificate:</b>	cUL508_E174460
<b>cUR Certificate:</b>	cUR60950_E196145 cUR1310_E313203 cUR_ANSI_E317914
<b>Data Sheet, Technical Information:</b>	2CDC114045D0201
<b>Declaration of Conformity - CE:</b>	1SVD982008-0000
<b>EAC Certificate:</b>	EAC_RU_C-DE.ME77.B.01651
<b>GOST Certificate:</b>	GOST_POCC_CN.AB76.B00924
<b>RoHS Information:</b>	1SVD981001-4400
<b>UL Certificate:</b>	UL508_E174460
<b>UR Certificate:</b>	UR60950_E196145 UR1310_E313203 UR_ANSI_E317914

## Classifications

<b>E-nummer:</b>	5218703
<b>ETIM 4:</b>	EC002540 - DC-power supply
<b>ETIM 5:</b>	EC002540 - DC-power supply
<b>ETIM 6:</b>	EC002540 - DC-power supply
<b>eClass:</b>	7.0 27049002
<b>UNSPSC:</b>	39121100
<b>Object Classification Code:</b>	T



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