

PRODUCT-DETAILS

# CP-E 24/5.0

## CP-E 24/5.0 Power supply In:115/230VAC Out: 24VDC/5A



### General Information

Extended Product Type	CP-E 24/5.0
Product ID	1SVR427034R0000
EAN	4016779669689
Catalog Description	CP-E 24/5.0 Power supply In:115/230VAC Out: 24VDC/5A

Long Description

The CP-E 24/5.0 is a power supply from the CP-E range. The primary switch mode power supply offers a wide range input of 90-132 V AC, 180-264 V AC and 210-375 V DC, rated input voltage is 115 or 230 V AC (auto select). The rated output power is 120 W, rated output current is 5 A at an output voltage of 24 V DC. The output voltage is adjustable within a range of 22.5 to 28.5 V DC. The power supply provides an U/I output characteristic. In order to increase capacity, up to 3 units can be connected in parallel. A redundancy unit is available as accessory.

### Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85044090

### Popular Downloads

Data Sheet, Technical Information	2CDC114060D0201
Instructions and Manuals	1SVC427032M0000

## Dimensions

Product Net Width	63.2 mm
Product Net Height	123.6 mm
Product Net Depth / Length	123.6 mm
Product Net Weight	0.882 kg

## Container Information

Package Level 1 Width	162 mm
Package Level 1 Depth / Length	160 mm
Package Level 1 Height	85 mm
Package Level 1 Gross Weight	0.998 kg
Package Level 1 EAN	4016779669689
Package Level 1 Units	box 1 piece

## Technical

Function	Switch mode power supply
Number of Phases	1
Rated Input Voltage ( $U_{IN}$ )	115 / 230 V AC
Input Voltage ( $U_{in}$ )	90 ... 132 V AC 180 ... 264 V AC 210 ... 375 V DC
Rated Frequency (f)	50 Hz
Rated Frequency Limits	47 ... 63 Hz
Characteristic of Output	U/I characteristic curve
Rated Output Power	120 W
Output Power	120 W
Rated Output Voltage	24 V DC
Output Voltage ( $U_{out}$ )	24 V DC
Rated Output Current	5 A
Output Current	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 ... 4 mm <sup>2</sup> Rigid 0.2 ... 6 mm <sup>2</sup>
Connecting Capacity Output Circuit	Flexible with Ferrule 0.2 ... 4 mm <sup>2</sup> Rigid 0.2 ... 6 mm <sup>2</sup>
Tightening Torque	Input Circuit 1 N·m Output Circuit 0.62 N·m
Wire Stripping Length	Input Circuit 8 mm Output Circuit 8 mm
Minimum Mounting Distance	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
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.60950  
 IEC/EN 63000  
 IEC 60950-1  
 IEC/EN 61000-6-2  
 IEC/EN 61000-6-3  
 UL 508  
 UL 60950

**Environmental**

Ambient Air Temperature	Operation -35 ... +70 °C Storage -40 ... +85 °C
Maximum Operating Altitude Permissible	5000 m
RoHS Status	Following EU Directive 2011/65/EU

**Technical UL/CSA**

Connecting Capacity Input Circuit UL/CSA	Rigid 24-10 AWG
Connecting Capacity Output Circuit UL/CSA	Rigid 24-10 AWG
Tightening Torque UL/CSA	Input Circuit 9 in-lb Output Circuit 5.5 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

**Certificates and Declarations (Document Number)**

cUL Certificate	cUL508_E174460
cUR Certificate	cUR60950_E196145 cUR_ANSI_E317914
Declaration of Conformity - CE	1SVD982035-00
Declaration of Conformity - UKCA	1SVD982035-10
EAC Certificate	EAC_RU_C-DE.ME77.B.00768_20
Instructions and Manuals	1SVC427032M0000

RoHS Information	1SVD982035
UL Certificate	UL508_E174460
UR Certificate	UR60950_E196145 UR_ANSI_E317914

## Classifications

Object Classification Code	T
ETIM 4	EC002540 - DC-power supply
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)	2712082
E-Number (Sweden)	5248134

## Categories

Low Voltage Products and Systems → Control Products → Power Supplies → CP-E

