

## General Information

Extended Product Type:	CP-E 24/20.0
Product ID:	1SVR427036R0000
EAN:	4016779669702
Catalog Description:	CP-E 24/20.0 Power supply In:115/230VAC Out: 24VDC/20A
Long Description:	The CP-E 24/20.0 is a power supply from the CP-E range. The primary switch mode power supply offers a wide range input of 90-264 V AC and 120-375 V DC, rated input voltage is 115-230 V AC. The rated output power is 480 W, rated output current is 20 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.

## Categories

Products » Low Voltage Products and Systems » Control Products » Power Supplies

## Ordering

Minimum Order Quantity:	1 piece
Customs Tariff Number:	85044090
EAN:	4016779669702

## Dimensions

Product Net Height:	123.6 mm
Product Net Depth:	123.6 mm
Product Net Weight:	1.85 kg
Product Net Width:	175 mm

## Container Information

Package Level 1 Length:	225 mm
Package Level 1 Height:	188 mm
Package Level 1 Gross Weight:	2.262 kg
Package Level 1 Units:	1 piece
Package Level 1 Width:	173 mm

## Technical

Number of Phases:	1
Rated Input Voltage ( $U_{IN}$ ):	115 / 230 V AC
Input Voltage ( $U_{in}$ ):	90 ... 264 V AC 120 ... 375 V DC
Rated Frequency Limits:	47 ... 63 Hz
Characteristic of Output:	U/I characteristic curve
Rated Output Power:	480 W
Output Power:	480 W
Rated Output Voltage:	24 V DC
Output Voltage ( $U_{out}$ ):	24 V DC
Rated Output Current:	20 A
Output Current:	20 A
Rated Insulation Voltage ( $U_i$ ):	Input Circuit / Output Circuit 3 V Input Circuit / PE 2 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:	Position 1

**Mounting on DIN Rail:** 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

**Standards:** IEC/EN 60950-1  
IEC/EN 61000-6-2  
IEC/EN 61000-6-3  
UL 508  
UL 60950  
ANSI/ISA-12.12  
CAN/CSA C22.2 No.107.1  
CAN/CSA C22.2 No.213  
CAN/CSA C22.2 No.60950

**Function:** Switch mode power supply

## Environmental

**Ambient Air Temperature:** Operation -40 ... +70 °C  
Storage -40 ... +85 °C

**RoHS Status:** Following EU Directive 2011/65/EC

## 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

**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

**Electrostatic Discharge (ESD Immunity) acc. to IEC 61000-4-2:** Level 4 Air Discharge 15 kV  
Level 4 Contact Discharge 8 kV

## Certificates and Declarations (Document Number)

**Instructions and Manuals:** 1SVC427034M0000

**CCC Certificate:** CCC\_2009010907324502

**cUL Certificate:** cUL508\_E174460

**cUR Certificate:** cUR60950\_E196145  
cUR\_ANSI\_E317914

**Data Sheet, Technical Information:** 2CDC114062D0201

**Declaration of Conformity - CE:** 1SVD982008-0000

**EAC Certificate:** EAC\_RU\_C-DE.ME77.B.01651

**GOST Certificate:** GOST\_POCC\_CN.AB76.B00924

**RoHS Information:** 1SVD981001-4400

**UL Certificate:** UL508\_E174460

**UR Certificate:** UR60950\_E196145  
UR\_ANSI\_E317914

## Classifications

**E-number:** 5248136

**ETIM 4:** EC002540 - DC-power supply

**ETIM 5:** EC002540 - DC-power supply

**ETIM 6:** EC002540 - DC-power supply

**eClass:** 7.0 27049002

**UNSPSC:** 39121100

**Object Classification Code:** T

