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 PRODUCT-DETAILS

## CP-T 48/20.0

CP-T 48/20.0 Power supply In: 3x400-500VAC  
Out: 48VDC/20.0A




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**General Information**

Extended Product Type	CP-T 48/20.0
Product ID	1SVR427056R2000
EAN	4016779697873
Catalog Description	CP-T 48/20.0 Power supply In: 3x400-500VAC Out: 48VDC/20.0A
Long Description	CP-T 48/20.0 Power supply In: 3x400-500VAC Out: 48VDC/20.0A

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**Ordering**

Minimum Order Quantity	1 piece
Customs Tariff Number	85044095

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**Popular Downloads**

Data Sheet, Technical Information	2CDC114073D0201
Instructions and Manuals	1SVC427052M0000

## Dimensions

Product Net Width	276 mm
Product Net Height	131 mm
Product Net Depth / Length	121 mm
Product Net Weight	3.275 kg

## Container Information

Package Level 1 Width	170 mm
Package Level 1 Depth / Length	342 mm
Package Level 1 Height	165 mm
Package Level 1 Gross Weight	3.8 kg
Package Level 1 EAN	4016779697873
Package Level 1 Units	box 1 piece

## Technical

Function	Switch mode power supply
Number of Phases	3
Rated Input Voltage ( $U_{IN}$ )	3x 400 ... 500 V AC
Input Voltage ( $U_{in}$ )	3 x 340 ... 575 V AC 480 ... 820 V DC
Rated Frequency (f)	50 Hz
Rated Frequency Limits	47 ... 63 Hz
Characteristic of Output	Hiccup-mode
Rated Output Power	960 W
Output Power	960 W
Rated Output Voltage	48 V DC
Output Voltage ( $U_{out}$ )	48 V DC
Rated Output Current	20 A
Output Current	20 A
Rated Impulse Withstand Voltage ( $U_{imp}$ )	Input Circuit / Output Circuit 6 kV Input Circuit / PE 4 kV Input Circuit / Relay Contact 4 kV Output Circuit / PE 0.8 kV
Rated Insulation Voltage ( $U_i$ )	Input Circuit / Output Circuit 500 V Input Circuit / PE 500 V Input Circuit / Relay Contact 500 V Output Circuit / PE 60 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 0.5 ... 10 mm <sup>2</sup> Rigid 0.5 ... 16 mm <sup>2</sup>
Tightening Torque	Auxiliary Circuit 0.6 N·m Input Circuit 1 N·m Output Circuit 1.8 N·m
Wire Stripping Length	Auxiliary Circuit 8 mm Input Circuit 8 mm Output Circuit 10 mm

Recommended Screw Driver	PH2
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

### Technical UL/CSA

Connecting Capacity Input Circuit UL/CSA	Rigid 24-10 AWG
Connecting Capacity Output Circuit UL/CSA	Rigid 20-6 AWG
Tightening Torque UL/CSA	Input Circuit 9 in-lb Output Circuit 15.6 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-Line 4 kV
Conducted Disturbances Immunity acc. to IEC 61000-4-6	Level 3 10 V
Electromagnetic Compatibility (EMC)	Immunity - Class B Emission - Environment B

### Environmental

Ambient Air Temperature	Operation -40 ... +70 °C Storage -40 ... +85 °C
Maximum Operating Altitude Permissible	5000 m

### Material Compliance

Conflict Minerals	9AKK108467A5658
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Reporting Template  
(CMRT)

REACH Declaration	1SVD982001-4501
RoHS Information	1SVD982001-4401
RoHS Status	Following EU Directive 2011/65/EU
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)

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**Certificates and Declarations**

CQC Certificate	CQC_10001048916
cUL Certificate	cUL508_E174460
cUR Certificate	cUR60950_E196145 cUR_ANSI_E317914
Declaration of Conformity - CE	1SVD982036-00
Declaration of Conformity - UKCA	1SVD982036-10
UL Certificate	UL508_E174460
UR Certificate	UR60950_E196145 UR_ANSI_E317914

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**External Classifications and Standards**

Object Classification Code	T
ETIM 7	EC002540 - DC-power supply
ETIM 8	EC002540 - DC-power supply
ETIM 9	EC002540 - DC-power supply
eClass	V11.0 : 27040701
UNSPSC	39121004
E-Number (Finland)	2712074
E-Number (Norway)	6609476
E-Number (Sweden)	5218722

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**Categories**

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

