

CP-C.1 24/20.0



Products Low Voltage Products and Systems Control Products Power Supplies

General Information

Extended Product Type:	CP-C.1 24/20.0
Product ID:	1SVR360763R1001
EAN:	4013614503832
Catalog Description:	CP-C.1 24/20.0 Power supply In:100-240VAC/90-250VDC Out:DC 24V/20A
Long Description:	The CP-C.1 24/20.0 is a power supply from the CP-C.1 range. The primary switch mode power supply offers a wide range input of 85-264 V AC and 90-300 V DC, rated input voltage is 110-240 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 a U/I output characteristic with a power reserve of up to 30 % 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

Additional Information

ABS Certificate:	ABS_17-HG1591548-PDA
Ambient Air Temperature:	Operation -25 ... +70 °C Storage -40 ... +85 °C
CB Certificate:	CB_DK-59135-UL
Country of Origin:	China (CN)
Customs Tariff Number:	85044090
Data Sheet, Technical Information:	2CDC114097D0201
Declaration of Conformity - CE:	1SVD982010-0002
Degree of Protection:	Housing IP20 Terminals IP20
E-number:	5213181
EAC Certificate:	EAC_RU_C-DE.ME77.B.02550
EAN:	4013614503832
EPLAN Catalog Tree:	Electrical engineering / Voltage source and generator / General
ETIM 5:	EC002540 - DC-power supply
ETIM 6:	EC002540 - DC-power supply
Function:	Switch mode power supply
IT Publishing Status:	Level 0 - Information enabled
Input Voltage (U_{in}):	85 ... 264 V AC 90 ... 300 V DC
Instructions and Manuals:	1SVC360560M0000
Invoice Description:	CP-C.1 24/20.0 Power supply In:100-240VAC/90-250VDC Out:DC 24V/20A
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
Minimum Order Quantity:	1 piece
Mounting Position:	Position 1, 7
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
Number of Phases:	1
Object Classification Code:	T
Output Current:	20 A
Output Current Maximum (I_{out}):	26 A

Output Power:	480 W
Output Voltage (U_{out}):	24 V DC
Overload Protection:	Constant current limitation
Overvoltage Category:	up to II / III
Package Level 1 EAN:	4013614503832
Package Level 1 Gross Weight:	1.7 kg
Package Level 1 Height:	160 mm
Package Level 1 Length:	168 mm
Package Level 1 Units:	1 piece
Package Level 1 Width:	110 mm
Pollution Degree:	2
Power Loss:	Approximately 24 W
Product Main Type:	CP-C.1
Product Name:	Power Supply
Product Net Depth:	136 mm
Product Net Height:	129.4 mm
Product Net Weight:	1.57 kg
Product Net Width:	82 mm
Rated Frequency (f):	50 Hz 60 Hz
Rated Frequency Limits:	45 ... 65 Hz
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 0.5 kV Output Circuit 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
Recommended Screw Driver:	Input Circuit / Output Circuit PH1 Input Circuit / Output Circuit 0.8 x 4
Regulatory Compliance Mark (RCM):	Yes
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
RoHS Date:	1146
RoHS Information:	1SVD982010-0002
RoHS Status:	Following EU Directive 2011/65/EC
Selling Unit of Measure:	piece
Standards:	EN 50581 IEC/EN 60950-1 IEC/EN 61204 IEC/EN 61000-6-2 IEC/EN 61000-6-3 UL 508 CAN/CSA C22.2 No. 107.1
Terminal Type:	Screw Terminals
Tightening Torque:	Auxiliary Circuit 0.5 N·m Input Circuit 0.5 N·m Output Circuit 1.2 N·m
Tightening Torque UL/CSA:	Input Circuit 4.4 in·lb Output Circuit 10.5 in·lb

Wire Stripping Length:	Auxiliary Circuit 8 mm Input Circuit 8 mm Output Circuit 10 mm
cULus Certificate:	cULus508_20161108-E174460
cURus Certificate:	cURus60950_20161108-E196145; cURusANSI-12-12_20161206_E317914
eClass:	7.0 27049002
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 4 Line-to-Ground 4 kV Level 4 Line-to-Line 2 kV
Conducted Disturbances Immunity acc. to IEC 61000-4-6:	Level 3 10 V
Electromagnetic Compatibility (EMC):	Immunity - Class B Emission - Class B
Rated Output Power:	480 W
Rated Output Voltage:	24 V DC
Rated Input Voltage (U_N):	100 ... 240 V AC 90 ... 250 V DC
Connecting Capacity Output Circuit UL/CSA:	Flexible 12-8 AWG Rigid 12-6 AWG
Connecting Capacity Input Circuit UL/CSA:	Flexible with Ferrule 20-12 AWG Flexible 20-12 AWG Rigid 20-10 AWG
Connecting Capacity Output Circuit:	Flexible with Ferrule 2.5 ... 10 mm ² Flexible 2.5 ... 10 mm ² Rigid 2.5 ... 16 mm ²
Connecting Capacity Input Circuit:	Flexible with Ferrule 0.5 ... 2.5 mm ² Flexible 0.5 ... 2.5 mm ² Rigid 0.5 ... 4 mm ²
Rated Output Current:	-25 °C ... +40 °C 26 A -25 °C ... +60 °C 20 A
Typical Input Current:	(115 V AC) 4.6 A (230 V AC) 2.3 A
Hold-up Time:	(230 V AC) min. 40 ms
Characteristic of Output:	U/I characteristic curve with power reserve
Resistance to Damp Heat acc. to IEC 60068-2-30:	Test Db: 55°C, 2 cycles
DNV GL Certificate:	DNV_GL_TAA00000YB
SEMI Certificate:	SEMI_F47_4787681819-2