

PRODUCT-DETAILS

# CP-C.1 24/5.0

## CP-C.1 24/5.0 Power supply In:100-240VAC/90-300VDC Out:DC 24V/5A



### Informations générales

Extension du type de produit	CP-C.1 24/5.0
Code de produit	1SVR360563R1001
EAN	4013614503818

Description courte CP-C.1 24/5.0 Power supply In:100-240VAC/90-300VDC Out:DC 24V/5A

Description longue

The CP-C.1 24/5.0 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 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 a U/I output characteristic with a power reserve of up to 50 % 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.

### Commande

Quantité minimum	1 pièce
Code douanier	85044095

### Downloads Préférés

Fiche produit, informations techniques	2CDC114099D0201
Instructions et manuels	1SVC360560M0000

## Dimensions

Produit Largeur Net	40 mm
Produit Hauteur Net	129.4 mm
Produit Longueur Net	136 mm
Poids net	0.74 kg

## Emballage

Emballage Niveau 1 Largeur	70 mm
Emballage Niveau 1 Longueur	168 mm
Emballage Niveau 1 Hauteur	160 mm
Emballage Niveau 1 Poids	0.87 kg
Emballage Niveau 1 EAN	4013614503818
Emballage Niveau 1 Unités	box 1 pièce

## Technique

Fonction	Switch mode power supply
Nombre de phases	1
Rated Input Voltage ( $U_{IN}$ )	100 ... 240 V AC 90 ... 300 V DC
Tension du secteur ( $U_{in}$ )	85 ... 264 V AC 90 ... 300 V DC
Typical Input Current	(115 V AC) 1.1 A (230 V AC) 0.6 A
Hold-up Time	(230 V AC) min. 50 ms
Fréquence assignée (f)	50 Hz 60 Hz
Rated Frequency Limits	45 ... 65 Hz
Characteristic of Output	U/I characteristic curve with power reserve
Rated Output Power	120 W
Puissance de sortie	120 W
Rated Output Voltage	24 V DC
Tension de sortie ( $U_{out}$ )	24 V DC
Rated Output Current	-25 °C ... +40 °C 7.5 A -25 °C ... +60 °C 5 A
Courant de sortie	5 A
Output Current Maximum ( $I_{out}$ )	7.5 A
Tension assignée de tenue aux chocs ( $U_{imp}$ )	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
Tension assignée d'isolement ( $U_i$ )	Input Circuit / Output Circuit 300 V Input Circuit / PE 300 V Input Circuit / Relay Contact 300 V Output Circuit / PE 50 V
Indice de protection	Housing IP20 Terminals IP20
Degré de pollution	2
Connecting Capacity Input	Flexible with Ferrule 0.5 ... 2.5 mm <sup>2</sup>

Circuit	Flexible 0.5 ... 2.5 mm <sup>2</sup> Rigid 0.5 ... 4 mm <sup>2</sup>
Connecting Capacity Output Circuit	Flexible with Ferrule 0.5 ... 2.5 mm <sup>2</sup> Flexible 0.5 ... 2.5 mm <sup>2</sup> Rigid 0.5 ... 4 mm <sup>2</sup>
Couple de serrage	Auxiliary Circuit 0.5 N·m Input Circuit 0.5 N·m Output Circuit 0.5 N·m
Wire Stripping Length	Auxiliary Circuit 8 mm Input Circuit 8 mm Output Circuit 8 mm
Recommended Screw Driver	Input Circuit / Output Circuit PH1 Input Circuit / Output Circuit 0.8 x 4
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
Type d'encastrement	Position 1 7
Montage sur rail DIN	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
Normes et standards	CAN/CSA C22.2 No.107.1 IEC/EN 63000 IEC/EN 61000-6-2 IEC/EN 61000-6-3 IEC/EN 61204 UL 508 IEC/EN 61010-1 UL 61010-1 UL 61010-2-201

## Environnement

Température de l'air ambiant	Operation -25 ... +70 °C Storage -40 ... +85 °C
Altitude de fonctionnement maximale autorisée	5000 m
REACH Declaration	1SVD982001-4501
Resistance to Damp Heat acc. to IEC 60068-2-30	Test Db: 55°C, 2 cycles
Résistance aux chocs selon CEI 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
Informations RoHS	1SVD982010
Statut RoHS	Following EU Directive 2011/65/EU

## Technique UL/CSA

Connecting Capacity Input Circuit UL/CSA	Flexible with Ferrule 20-12 AWG Flexible 20-12 AWG Rigid 20-10 AWG
Connecting Capacity Output Circuit UL/CSA	Flexible 20-12 AWG Rigid 20-10 AWG
Tightening Torque UL/CSA	Input Circuit 4.4 in·lb Output Circuit 4.4 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
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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

## Certificats et Déclarations (Numéro de document)

Certificat ABS	ABS_17-HG1591548-2-PDA
CB Certificate	CB_DK-49193-A2-UL
Certificat ecULus	cULus508_20151021-E174460
cURus Certificate	cURus60950_E196145-A10-UL cURusANSI-12-12_20160629_E317914
Déclaration de Conformité - CE	1SVD982010-00
Declaration of Conformity - UKCA	1SVD982010-10
DNV GL Certificate	DNV_GL_TAA00000YB_1
EAC Certificate	EAC_RU_C-DE.ME77.B.02550

## Classifications

Code de classification d'objet	T
ETIM 5	EC002540 - DC-power supply
ETIM 6	EC002540 - alimentation courant continu
ETIM 7	EC002540 - DC-power supply
ETIM 8	EC002540 - DC-power supply
eClass	V11.0 : 27040701
UNSPSC	39121004
E-Number (Finland)	2712518
E-Number (Sweden)	5213179

## Catégories

Produits basse tension → Produits de Contrôle, Protection et sécurité machines → Alimentation → CP-C.1

Produits et Systèmes Moyenne Tension → Service → Pièces détachées → Parts → All Spare Parts (Relays-SWG-CB)

