

Power supply CP-S 24/20.0

Primary switch mode power supply

Data sheet







- ① OUTPUT L+, L-: terminals - output
- ② INPUT L, N, PE: terminals - input
- ③ OUTPUT OK: green LED - output voltage OK
- ④ INPUT VOLTAGE SELECTOR: selector switch - adjustment of input range
- ⑤ Circuit diagram

Features

- 2 single input ranges: 110-120 V AC (85-132 V AC) and 220-240 V AC (184-264 V AC, 220-350 V DC) adjustable with selector switch
- Constant, controlled output voltage of 24 V DC
- Rated output current 20 A
- Open-circuit, overload and continuous short-circuit proof
- High efficiency of typ. 89 %
- Low power dissipation and low heating
- Integrated input fuse
- Parallel operation for redundancy
- LED for status indication
- Redundancy unit CP-A RU and control module CP-A CM (for CP-A RU) available as accessories

Approvals

	UL 508, CAN/CSA C22.2 No.107.1	Approval refers to rated input voltage U_{in}
	UL 1604 (Class I, Div 2, hazardous locations), CAN/CSA C22.2 No.213	Approval refers to rated input voltage U_{in}
	UL 60950, CAN/CSA C22.2 No.60950	Approval refers to rated input voltage U_{in}
	EAC	

Marks

	CE
	RCM

Order data

Type	Input voltage range	Rated output voltage / current	Order code
CP-S 24/20.0	85-132 V AC, 184-264 V AC / 220-350 V DC	24 V DC / 20 A	1SVR 427 016 R0100

Order data - Accessories

Type	Description	Order code
CP-A RU	Redundancy unit The CP-A RU provides decoupling of two CP power supply units.	1SVR 427 071 R0000
CP-A CM	Control module The CP-A CM provides monitoring of the input signals of the redundancy unit CP-A RU.	1SVR 427 075 R0000

Application

The primary switch mode power supply CP-S 24/20.0 has two voltage inputs. This enables the supply with AC or DC. Furthermore the CP-S 24/20.0 is equipped with two generous capacitors, which ensure mains buffering of at least 50 ms. That is why the devices can be used worldwide also in high fluctuating networks and battery-powered plants.

Due to their reliable construction, the devices can be used in very harsh industrial environments.