



KNX PSX-320

Power supply

Product description

The power supply PSX 320 provides the system specific KNX bus voltage. The integrated choke prevents the data telegrams from short-circuiting on the bus line. The voltage tap is established via the bus connection blocks on the front side – choked KNX bus voltage via red-black connection block and unchoked voltage via yellow-white connection block. Two power supplies can be connected in parallel without a minimum of cable (i.e. with no distance) in between.

Security advices

- Electrical connection and startup operations shall only be done by electrically skilled persons.
- For installation, assemblage, operating and accident prevention please comply to the regional regulations.
- Connection and maintenance operation might only be done in not energized condition.
- If safe operation is not possible, the device must not be started up or has to be disabled.
- The device shall only be applied for normal use and according to the specified technical data.

Starting-up

- Check device, clamps and connections.
- Switch on the power supply and check the LED states.
- Mount all covers; apply special labels, if necessary; update the technical documentation.



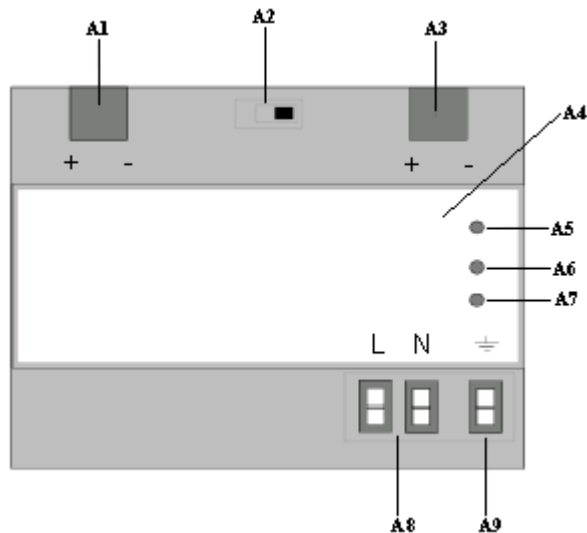
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Technical Details

Output	Rated voltage	29V DC (SELV)
	Permissible range	28 bis 30V DC
	Rated current	320 mA
	Short-circuit current	Limited to 1 A
	Rated power consumption	approx. 24 VA
	Connections	0,6-0,8 mm ² single wire
	Protection circuit	Short-circuit proof due to voltage and current control, 200ms buffer time on input voltage failure
Input	Rated voltage	120 to 230 V AC (50-60 Hz)
	Permissible range	220V DC
	Connections	102-253 V AC
		176-270 V DC
		0,5-2,5 mm ² single wire, 0,5-1,5 mm ² plain flexible conductor
		0,5-2,5 mm ² stranded conductor
		0,5-2,5 mm ² flexible conductor with terminal pin
Environment	Operation environment	-5° to +45° C
	Storage environment	-25 °C to +70 °C
	Relative humidity	5 to 93 % non-condensing
General	Protection	IP 20
	Degree of pollution	2
	Installation	on DIN rail 35 mm
	Dimensions	4 SU
		72 x 90 x 55 mm (WxHxD)
	Weight	approx. 260 g



Location and function of the display and operator elements



- A1 bus connection block (red-black) for single wire
0,6 – 0,8 mm Ø - choked bus voltage
- A2 reset button (operation > 20 sec.)
- A3 extra low-voltage terminals (yellow-white) for single wire
0,6 – 0,8 mm Ø - unchoked voltage
- A4 type plate
- A5 red LED for indicating that the power supply unit
is in reset position
- A6 green LED for indicating normal operation of the
power supply unit
- A7 red LED for indicating a shorted-out bus line or a
device over-load
- A8 plug-in terminals for connecting the mains
- A9 ground terminal