



PSX-640

Power supply

Product description

The power supply PSX 640 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 clamps V+ and V-.

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.

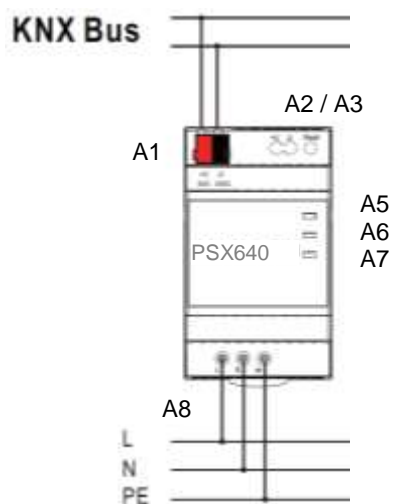


Technical Details

Output	Rated voltage	29V DC (SELV)	
	Permissible range	28 bis 30V DC	
	Rated current	640 mA	
	Short-circuit current	limited to 1,4 A	
	Rated power consumption	approx. 24 VA	
	Connections	0,6-0,8 mm ² single wire	
Input	Protection circuit	Short-circuit proof due to voltage and current control	
	Rated voltage	230 V AC (50-60 Hz)	
	Permissible range	180-264 V AC	
	Connections	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	
Environment	0,5-2,5 mm ² flexible conductor with terminal pin		
	Operation environment	-5° to +45° C	
	Storage environment	-25 °C to +70 °C	
General	Relative humidity	5 to 93 % non-condensing	
	Protection	IP 20	
	Degree of pollution	2	
	Installation	on DIN rail 35 mm	
	Dimensions	Dimensions	4 SU
		Weight	52,5 x 90 x 55 mm (WxHxD) approx. 215 g



Location and function of the display and operating elements



- A1 Bus connection block (red/-black) for single wire 0,6 – 0,8 mm Ø - choked bus voltage
- A2 Extra low-voltage terminals - unchoked voltage
- A3 Reset button
- A5 LED: normal operation
- A6 LED: power supply unit is in reset position
- A7 LED: overload (to many bus devices connected or short circuit on bus)
- A8 Connection for mains