

KNX Bus Power Supply

Manual-Ver2.1

MP6402

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1 Overview

The EIB / KNX bus power supply is used to provide and monitor the voltage of the EIB / KNX system. The output has two terminals, including one KNX bus output for EIB bus power supply and signal transmission. One 30V DC auxiliary output and provides a power supply voltage of 30V DC, 640mA which can be sent to the terminal; the reactor has been integrated into the bus connection terminal; if a reactor is connected to the 30V DC auxiliary power supply terminal, it can also be used as a bus power supply terminal and also has a signal transmission function.

In order to facilitate installation into the distribution box, the KNX bus power supply is designed as a modular installation device that can be mounted on a 35 mm DIN rail. The equipment adopts screw terminals to realize 220V voltage input and auxiliary power output connection. The EIB bus connection is directly connected through the EIB terminal (red / black).

The power can be reset by pressing the reset button on the device for 24s.

Functions:

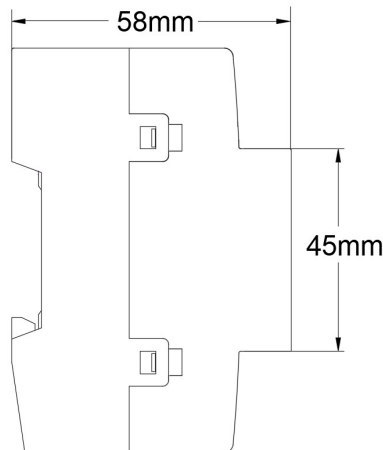
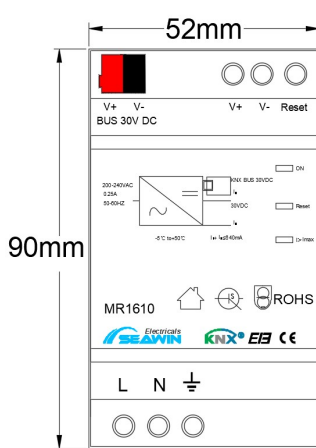
- (1) Meet the power supply of KNX / EIB bus equipment;
- (2) LED1 (ON) Green indicates normal operation, LED2(Reset)Red indicates reset, LED3(I>I_{max})Red indicates output overcurrent, short circuit;
- (3) With output short circuit, over current, over voltage protection function;

2 Detailed parameters

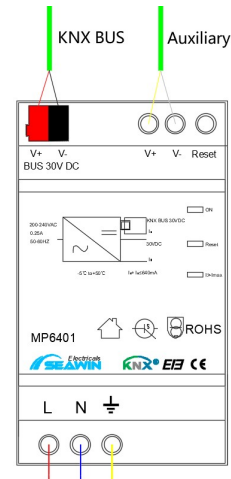
Main input	200-240V AC
Frequency	50-60Hz
KNX Bus output	1 way with reactor, 21-30V DC
Auxiliary power output	1 way without reactor, 30V DC
Nominal output current	$I_1 + I_2 \leq 640\text{mA}$, Short circuit protection
Output voltage accuracy	$\pm 5\%$ (Typ.)
Power-down hold time	> 150ms
Shell material	PC
Dimension (L x W x H)	52mm X 90mm X 58mm
Weight (approx.)	195g
Installation method	35mm DIN rail mounting
Operating temperature	-30°C to +70°C
Storage temperature	-40°C to +85°C
Relative humidity	max 95%

3 Dimensional drawing and wiring diagrams

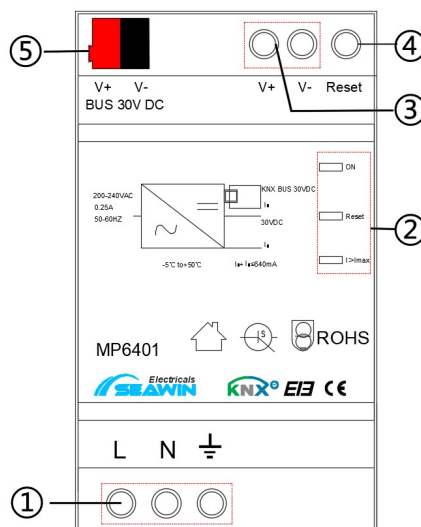
Dimensional drawing



wiring diagram



4 Handling



- ①Description: 200~240VAC power supply wiring port, the aperture can be connected to $\phi 4$ wires;
- ②Instructions: (1) ON: Power supply working status indicator, green status LED, when the status LED is always on, it means that the power supply is working normally;
- (2) Reset: red reset indicator light; (3) $I1+I2>I_{max}$: when the bus output current is overcurrent or the bus is short-circuited, the LED indicator light is on and the red light flashes;
- ③Description: Auxiliary power supply 30V DC output wiring port, the aperture can be connected to $\phi 4$ wire;
- ④Instructions: The reset button can reset the KNX bus product, and the reset of the KNX bus product must be pressed for at least 20 seconds;
- ⑤Description: KNX bus power supply output port, KNX bus access, red line connected to "+", black line connected to "-";

5 Power running test

After the bus power is properly installed, turn on the main power and supply power to the bus. At this time, the status ON indicators on the device are on, and the other lights are off, indicating that the bus power can operate normally.

6 Safe use and maintenance

- (1) Read all instructions carefully before use.
- (2) Create a good ventilation environment.
- (3) During use, pay attention to moisture, shock and dust.
- (4) Strictly forbid to rain, contact with other liquids or corrosive gases.
- (5) If it is wet or attacked by liquid, it should be dried in time.
- (6) When the machine fails, please contact professional maintenance personnel or our company.

7 Contact

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