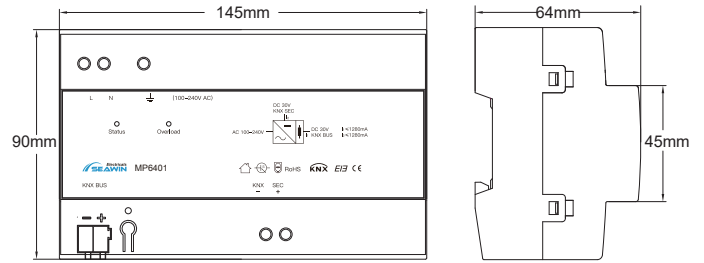




## KNX 1280mA Power Supply

### Datasheet MP6401

### Dimension



\*Unit: mm

### Function

The EIB/KNX bus power supply is used to provide & monitor the voltage of the EIB/KNX system.

Two output terminals, one for EIB bus power supply & signal transmission; one for auxiliary power supply, which can provide 30VDC voltage to device.

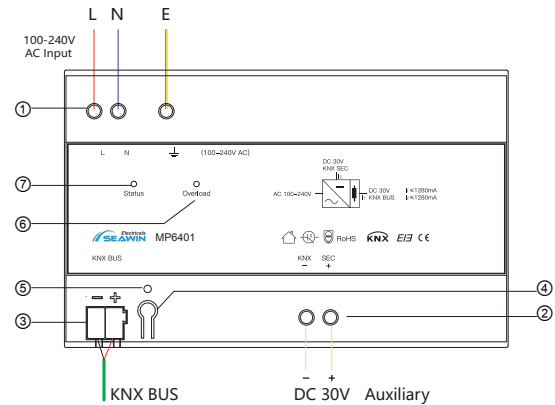
### Description:

- (1) Meet the power supply requirements of KNX/EIB bus devices;
- (2) Short circuit and overcurrent protection;
- (3) Load status indication;
- (4) System reset function;
- (5) Ripple less than 150mV

### Parameters

Input voltage:	100-240VAC
Input current:	1.6A/220VAC
Input frequency:	50-60Hz
Efficiency:	87%
KNX output:	21-30V DC, with 1 reactor
Auxiliary output:	30V DC, no reactor
Bus output current:	$I_1 \leq 1280\text{mA}$ , short circuit protect
Auxiliary output current:	$I_2 \leq 1280\text{mA}$
Bus output power:	$\leq 38.4\text{W}$
Auxiliary output power:	$\leq 38.4\text{W}$
Output voltage accuracy:	$\pm 5\%$ (KNX), $\pm 1\%$ (AUX)
Power-off maintenance time:	100ms/230VAC
Overload protection :	2.65~3A, hiccup protect automatic recovery
Output overvoltage protection :	33~35V DC
Dimension (Lx W x H):	145mmX90mmX64mm
Shell material:	PA66
Weight(approx.):	About 240g
Installation:	35mm DIN Rail
Working temperature:	-20°C...+ 50°C
Stock temperature:	-25°C...+ 55°C
Delivery temperature:	25°C...+70°C

### Wiring Diagram



① 100-240V AC power connection port, cable with a diameter of 0.2-4mm<sup>2</sup> can be connected;

② Auxiliary power supply 30V DC output connection port, yellow wire connected to "+", white wire connected to "-";

③ KNX bus power supply output port, KNX bus access, red wire connected to "+", black wire connected to "-";

④ Reset button, short press to enter the reset operation, used for KNX bus power supply re-output

⑤ Reset indicator light, the indicator light is red, then the bus reset operation is performed

⑥ Status is the power supply working status indicator, green status LED, when the status LED is always on, it means that the power supply is working normally

⑦ Overload is the overload protection indicator, when the bus output current is overcurrent or the bus is short-circuited, the LED indicator flashes red

### Power Supply Operation Test

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

### Installation

Device is installed in the distribution box and can be installed on the 35 mm DIN rail of DIN EN 60715 standard. In order to facilitate the rapid installation of the device in the distribution box, it is necessary to ensure that the operation, testing, inspection & maintenance of the device are correct.

### Safe use and maintenance

- (1) Read all instructions carefully before use
- (2) Create a well-ventilated environment
- (3) During use, careful on moisture, shock & dust prevention
- (4) Do not expose to rain, other liquids or corrosive gases
- (5) If it is damp or invaded by liquid, it should be dried in time
- (6) If the machine fails, please contact professional maintenance personnel or our company