KNX Power Supply

Datasheet

KE. P6401

Function

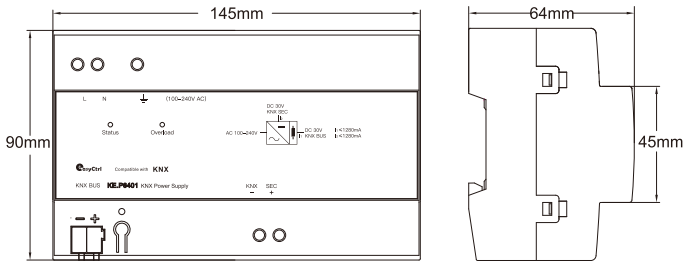
The EIB/KNX bus power supply is designed to supply and monitor the voltage of the EIB/KNX system. It features two output terminals: one for EIB bus power supply and signal transmission, and the other for auxiliary power supply which delivers 30 VDC power to terminal devices.A reactor is pre-integrated inside the power unit at the bus connection terminal. If an external reactor is wired to the auxiliary power terminal, this terminal can also serve as a bus power terminal and support signal transmission as well.

(1) Meet the power supply of KNX/ EIB bus equipment;
(2) With output short circuit, over current function;
(3) Load status indication;
(4) Reset function;
(5) Ripple is less than 100mV.

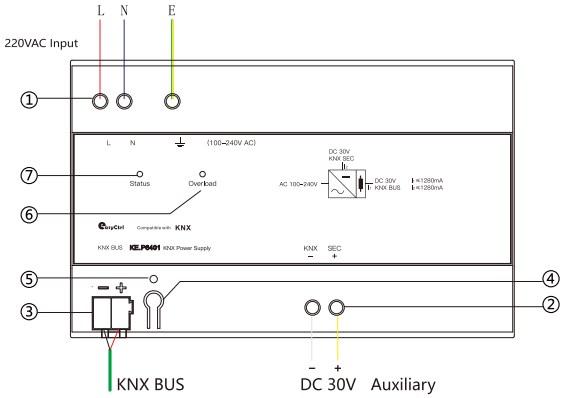
Parameters

Input Voltage:	100-240VAC
Input Current:	1.6A/220VAC
Input frequency:	50-60Hz
Efficiency:	81%
KNX Output:	1 way with reactor, 21-30VDC
AUX Output:	1 way without reactor, 30VDC
Bus Output Current:	I_1≤1280mA, Short circuit protection
AUX Output Current:	I_2≤1280mA
Bus Output Power:	≤38.4W
AUX Output Power:	≤38.6W
Output Voltage Accuracy:	±5%(KNX) , ±1%(AUX)
Power-off Maintenance Time:	100ms/230VAC
Overload protection:	2.65~3A , Hiccup protect automatic recovery
Overvoltage Protection:	33~35V DC
Dimensions:(Lx W x H) :	145mmX90mmX64mm
Shell material:	PA66
Weight (approx.):	470g
Installation:	35mm DIN
Operating temperature:	-20°C...+ 50°C
Storage temperature:	-25°C...+ 55°C
Transportation temperature:	25°C...+70°C

Dimension



Wiring



① 100–240 VAC power terminal, the aperture can be connected to φ0.2-4mm^2;

② Aux power supply 30V DC output wiring port, yellow wire to "+", white wire to "-;

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

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

⑤ Red reset indicator light, when light on, could reset;

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

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

Power Operation Test

After the KNX bus power supply is installed correctly, switch on the main power to energize the bus power unit. If the Status indicator light on the device turns on while all other indicators remain off, the bus power supply is functioning properly.

Installation

The device is installed in the distribution box and can be installed on the 35mm 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 and maintenance of the device.

Safe use and maintenance

(1) Read all instructions carefully before use.
(2) Create a well-ventilated environment.
(3) During use, pay attention to moisture, shock and dust prevention.
(4) Do not expose to rain, other liquids or corrosive gases.
(5) If the machine 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.