



Data sheet

KNX-PS640

KNX power supply



KNX-PS640 - KNX power supply

The KNX-PS640 power supply unit enables the KNX bus to be supplied with system voltage (SELV). The output with integrated choke makes it possible to separate the power supply from the KNX bus communication line.

Features

- wide input voltage range: 195...265 V AC (50/60 Hz)
- output voltage for the bus: 28...30 V DC
- short-circuit protection for AC power input
- short-circuit and overload protection for DC power output
- LED indicators of power supply operating status
- installation in electrical cabinets, on DIN rail (35 mm)

Specifications

Power supply

| | |
|---------------------------------|---------------------------|
| Supply voltage | 195...265 V AC (50/60 Hz) |
| Maximum power consumption | 1.5 W |

Power output

| | |
|------------------------------------|----------------------|
| Rated output voltage | 30 V, 28...30 V SELV |
| Output current | 640 mA |
| Overload threshold | 900 mA |
| Short-circuit current | 1.3 A |
| Power failure buffering time | 200 ms |

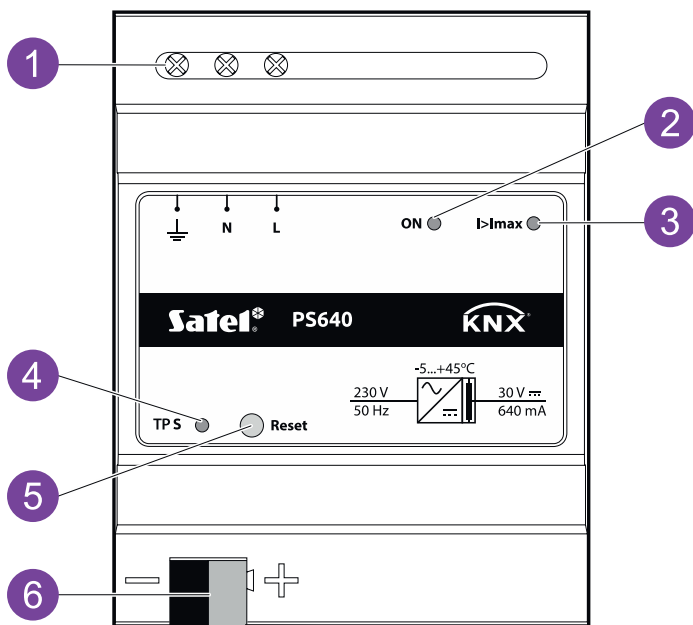
Connections

| | |
|----------------------------------|---------------------|
| Maximum wire cross-section | 2.5 mm ² |
| Maximum tightening torque | 0.5 Nm |

Other parameters

| | |
|---|-----------------|
| Operating temperature range | -5 °C...+45 °C |
| Storage/transport temperature range | -25 °C...+70 °C |
| IP code | IP20 |
| Number of units on DIN rail | 4 |
| Enclosure dimensions | 70 x 92 x 60 mm |
| Weight | 130 g |

Device appearance



1. 230 V AC mains connection terminals (\perp – terminal for connecting the protective conductor, N – terminal for connecting the neutral conductor, L – terminal for connecting the phase conductor).
2. Green LED indicating the current AC supply status – ON when the AC supply is available (correct operation of the power supply).
3. Red LED indicating overload – comes on when the output current is equal to or higher than 0.9 A.
4. Red LED indicating restart of the KNX – comes on when the “Reset” button is pressed.
5. The “Reset” button allows you to restart the KNX bus. Press and hold down the button for about 30 seconds to restart devices connected to the bus.
6. Terminal for connecting the KNX bus.

Connection diagram

