

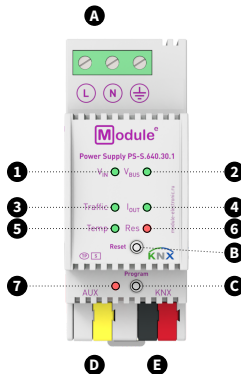
# KNX POWER SUPPLY

## PS-S.640.30.1

### ОСНОВНЫЕ СВЕДЕНИЯ

Intelligent power supply for the KNX system with an additional auxiliary power output of 29V DC, with the function of diagnostics of voltage in the KNX bus and protective against short circuit and overload .

- Compact housing (2TE)
- Additional output 29V DC
- Diagnostic function
- LED status indication
- Output current 640mA
- Leakage < 5W
- Mains voltage 230V AC 50Hz
- Overload and short circuit protection
- Bus line reset via local push button or remote
- DIN rail 35mm mounting



A. Supply voltage terminals    B. Reset button    C. Programming button    D. Aux output connector    E. KNX TP connector

1. LED input voltage  $V_{IN}$     2. LED bus voltage  $V_{BUS}$     3. LED telegram traffic    4. LED output current  $I_{OUT}$

5. LED internal temperature    6. LED KNX reset    7. Programming LED

## SPECIFICATIONS

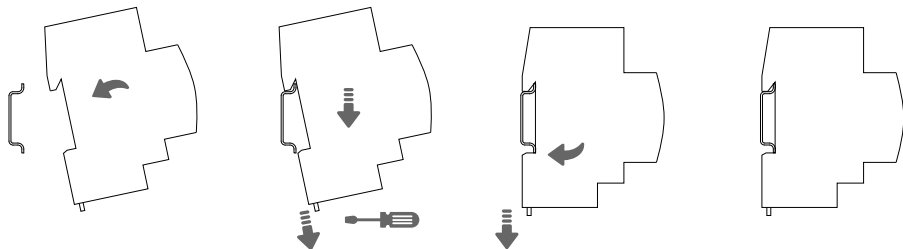
Device model	PS-S.640.30.1
<b>Power input</b>	
Mains voltage	230V AC $\pm$ 10% 50Hz
Power consumption normal / max. overload	23W / 42W
Mains failure bridging time	> 100ms
Mains voltage connection	screw terminals 0,3...2,5mm <sup>2</sup>
<b>Power output</b>	
KNX, AUX output voltage	28...31V DC
Rated current / max. current (total output)	640mA / 1,2A
Efficiency at nominal load	82%
<b>KNX interface</b>	
Specification	TP-256
Available application software	ETS 4 and later
KNX connector	4-wire EIB connector (PUSH WIRE spring clips) for standard cable TP1 0,8mm $\varnothing$
KNX physical address by default	12.12.255
Operation temperature	-5°C ... + 45°C
Operation humidity	5 ... 95% (no condensation)
Degree of protection	IP 20, clean environment
Mounting type	DIN rail 35mm
Dimensions	36 x 90 x 71mm (2TE)
Weight	185g

## LED INDICATION

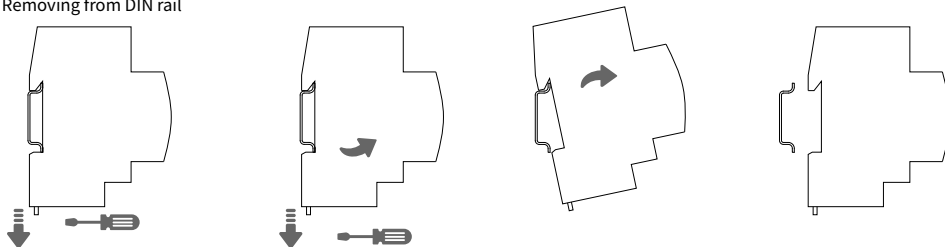
<b>1. Input voltage <math>V_{in}</math></b>	Green: Input voltage is 195...265V AC Red: Input voltage is out of this range
<b>2. Bus voltage <math>V_{bus}</math></b>	Green: KNX bus voltage 28...31V DC Red: KNX bus voltage is out of this range
<b>3. Telegram traffic</b>	Green (blinking): Telegram traffic < 80% Red: Telegram traffic > 80%
<b>4. Output current <math>I_{out}</math></b>	Green: $I_{out}$ < 640mA Orange: $I_{out}$ 640...900mA Red: $I_{out}$ > 900mA (overload)
<b>5. Internal temperature</b>	Green: Temperature is 0...75°C Red: Temperature is out of this range
<b>6. KNX reset</b>	Red: Restart of the KNX bus line is running
<b>7. Programming</b>	Red: Programming mode active

## INSTALLATION

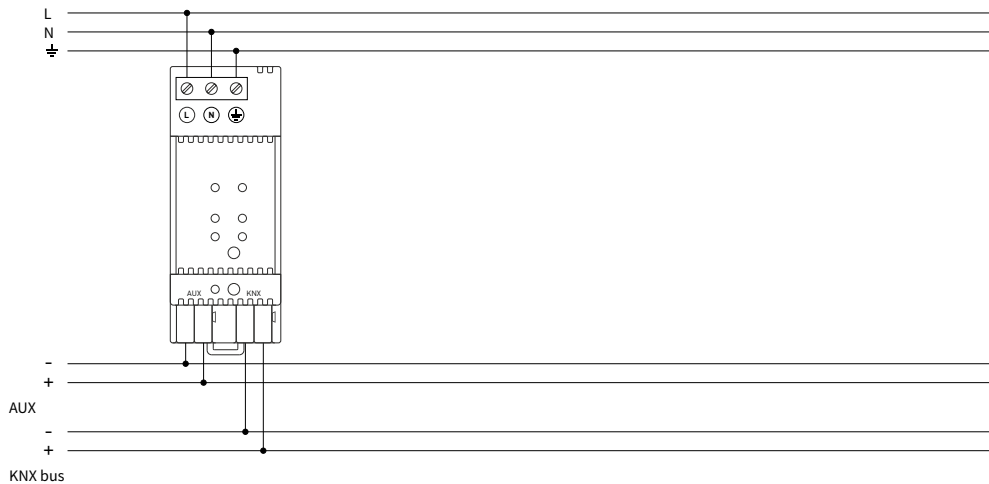
Attaching to DIN rail



Removing from DIN rail



## WIRING DIAGRAMS



## SAFETY INSTRUCTIONS



**ATTENTION!** Installation and connection of the device to the mains must only be carried out by qualified personnel! There is a risk of electric shock! Be sure to turn off the power before installing or removing the device! Even when the device is turned off, the output terminals can be live! Do not connect to the outputs a load that exceeds the recommended values! The design of the device meets the requirements of electrical safety according to GOST 12.2.007.0-75.



## SETTING INSTRUCTIONS

The device is set up in accordance with the instruction manual. (The full manual and application program can be downloaded at <https://module-electronic.ru/documents> or by scanning the QR code at the bottom of the document).

## TRANSPORTATION, STORAGE AND DISPOSAL

The conditions for the transportation of devices must comply with conditions 5 of GOST 15150-69. Storage of devices in packaging at the warehouses of the manufacturer and consumer must comply with storage conditions 1 in accordance with GOST 15150-69. After transportation or storage at low temperatures, it is necessary to withstand the device at room temperature for at least 2 hours before turning it on. Do not dispose of the device with household waste.

## WARRANTY

Warranty period - 12 months from the date of sale to the consumer. The manufacturer is not liable and does not indemnify for damage caused by the fault of the consumer in case of non-compliance with the conditions of transportation, storage, installation and operation, as well as in case of violation of the seal when trying to repair the device yourself.

All the necessary information on the warranty can be obtained by the consumer by calling Module Electronics or on the website: [www.module-electronic.ru](http://www.module-electronic.ru).

Serial number \_\_\_\_\_

Date of sale \_\_\_\_\_

seller's stamp

Seller Signature \_\_\_\_\_

Name, address of the trading organization \_\_\_\_\_

User Manual

