

# KNX.PS.640.1

KNX POWER SUPPLY  
640 mA





## PRODUCT DESCRIPTION

The Smart Node power supply is a KNX device designed to be mounted on a DIN rail, enabling the KNX bus system to receive and manage a stable 30V DC voltage. With a 640 mA output current, it can support up to 64 KNX devices, such as sensors, actuators, and controllers, ensuring smooth operation for any residential or commercial automation. The output is protected against overloads and short circuits, providing a reliable and safe power solution for the KNX system.

## FEATURES

- Offers 30V DC output for other devices.
- Current can be shared across different outputs.
- Comes with a reset button to restart all the hardware in the bus.
- Protects against short circuits.
- Has overvoltage protection.
- Protects against open circuits.
- Has 4 step power usage indication LEDs
- Two units can be connected together to increase power output.

# TECHNICAL SPECIFICATIONS

Rated voltage	230 VAC-240 VAC
Main frequency	50/60 Hz
Power loss (max. load on all outputs)	Max. 2.9 W
No load power consumption	<0.5W
Efficiency	Approx. 87%
Operating temperature	-5°C to + 45°C
Mounting	DIN rail
Power consumption	22 W
Relative humidity	95% not condensing

## KNX

KNX medium	TP 256
Bus output voltage	28 V DC - 31V SELV
Output current	640 mA(all outputs)
Short circuit current	Max. 1.5A
Buffer time	100 ms
Parallel operation with identical power supply	Yes

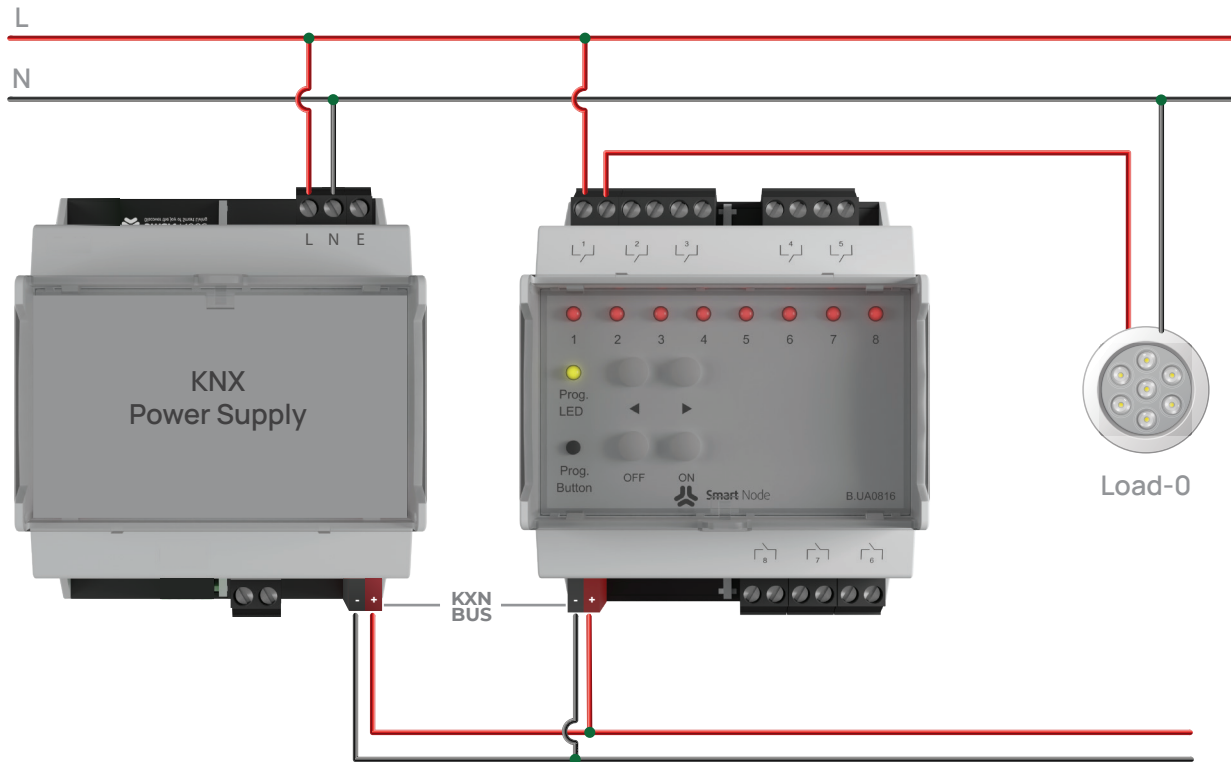
## Casing

Color(Housing)	Light Grey
Flammability rating according to UL94	V0
Housing material	Polycarbonate

## Dimensions

Depth	60mm
Height	90mm
Width	71mm

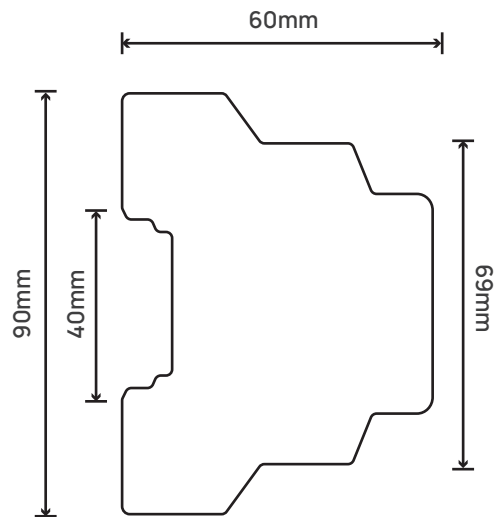
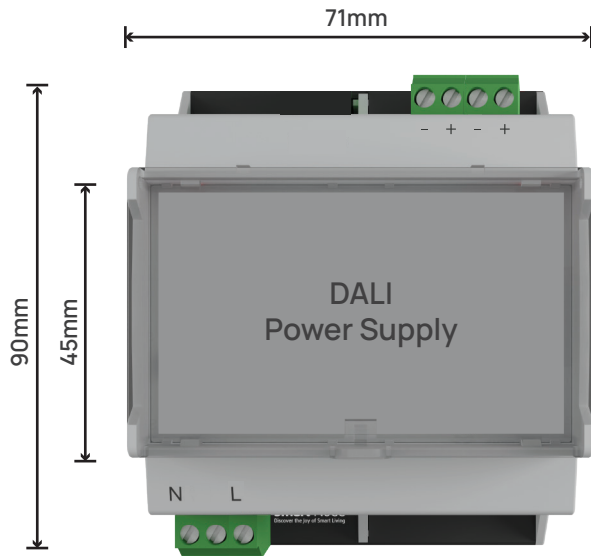
# WIRING DIAGRAM



## SAFETY INSTRUCTIONS

- Installation should only be performed by qualified professionals according to the laws and regulations.
- Do not connect the mains voltage nor any other external voltage to any point; it would represent a risk for the entire system. The facility must have enough insulation between the mains (or auxiliary) voltage and the wires of other accessories, in case of being installed
- Once the device is installed (in the panel or box), it must not be accessible from outside.
- Keep the device away from water and do not cover it with clothes, paper or any other material while in use.

# SCALE DRAWING



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