

PS.30.640.2

KNX Power Supply 640mA

CONTROLtronic



KNX power supply with integrated choke. LEDs for power, overload and reset. Button for automatic reset on the KNX line. Additional auxiliary voltage output with 30V DC. Nominal current at the short-circuit proof outputs is 640mA.

Technical Features

- Switching power supply with high efficiency
- Input voltage range 220-240V AC / 50 - 60 Hz
- Integrated KNX choke
- Integrated KNX reset function (push button)
- Status LEDs for operation, overload and reset
- Short-circuit proof

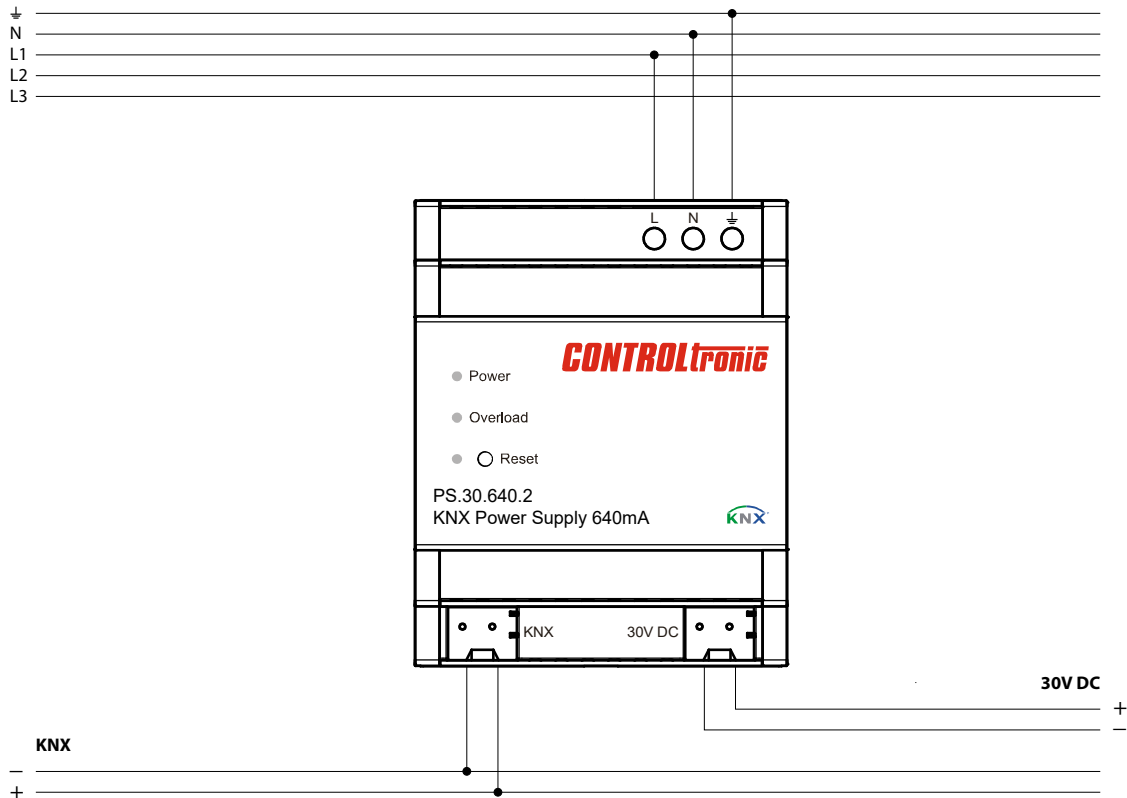
Technical Specification

Power Supply	220 - 240V AC / 50 - 60 Hz
Output Voltage KNX	30V DC (28 - 31V DC according to KNX specification)
Output Voltage 30V DC	30V DC (28 - 31V DC)
Rated Current	640mA both outputs in total (according to KNX specification)
Connection Terminal AC	Screw terminal (strip length: 6 mm)
	Solid 0.5 mm ² - 2.5 mm ²
	Stranded (flexible) 0.5 mm ² - 1.5 mm ²
	Stranded with ferrule 0.5 mm ² - 1.5 mm ²
Connector KNX (TP)	KNX connector black/red (strip length: 5 - 6 mm)
	Conductor diameter 0.6 - 0.8 mm (solid)
Connector 30V DC	Auxiliary voltage connector white/yellow (strip length: 5 - 6 mm)
	Conductor diameter 0.6 - 0.8 mm (solid)
Ambient Temperature	-5 °C to +45 °C
Storage Temperature	-20 °C to +70 °C
Rel. Humidity	5 % to 95 % (non-condensing)
Electrical Safety	Protection IP20
Mounting	DIN rail
Dimensions	4 modules / 72 x 90 x 60 mm (WxHxD)

Designation	Order number
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Wiring diagram



Mounting and connection

Only intended for fixed installation on DIN rail in distribution boards or small casings.
Mounting only in dry indoor areas.

1. Mount KNX power supply on DIN rail
2. Connect KNX bus to the device
3. Connect the device to the supply voltage (mains)
4. Switch on the supply voltage
5. After mains connection the device is ready for operation

Power LED (green)	▶	Operating indication
Overload LED (red)	▶	Overload on KNX bus
Reset LED (red)	▶	KNX bus reset in progress (approx. 20s)
Reset push button	▶	Trigger KNX bus reset

Safety instructions

- Protect the device from moisture, dirt and damage during transport, storage and operation.
- For planning and installation of electrical systems, the relevant standards, guidelines, regulations and provisions of the respective country must be observed.
- The device must be installed by trained electricians, in compliance with the valid KNX guidelines and the country-specific regulations.
- After installation of the device and connection of the mains voltage, the outputs are under voltage.
- Do not operate the device outside the specific technical data.
- The installation requires a 16 A fuse for external overcurrent protection.
- Earth the device at the connection terminal provided for this purpose.
- Ensure cooling by free air circulation.