

ITR900-6000 - KNX POWER SUPPLY



Device	ITR900-6000
Power Supply	100 - 240 V AC, 50/60 Hz
Power Consumption	Normal: 24 W Maximum: 55 W
Power Loss	Normal: 4 W Maximum: 9 W
I ₁ KNX Voltage Output:	1 Line with integrated choke
Rated Voltage:	30 V DC +1/-2 V, SELV
Minimum Distance between 2 SV/S in one line:	200 m KNX bus line
I ₂ KNX Voltage Output:	Without choke
Rated Voltage:	30 V DC +1/-1 V, SELV
Current	Rated current I _N : 640 mA Overload I _{OVL} : 0.9 A Short-circuit I _{SC} : 1.4 A
LED Status	Green: I < I _{OVL} Red: Overload Red flashing: Short-circuit

Type of Protection	IP 20
Temperature Range	Operation (-5°C...45°C) Storage (-25°C...55°C)
Maximum Air Humidity	< 90 RH
Flammability	Non-flammable product
Color	Light grey and white
Dimensions	90x72x64.5 mm (HxWxD)
Certification	KNX Certified

DESCRIPTION

KNX power supplies generate and monitor the KNX system voltage (SELV). The bus line is decoupled from the power supply by an integrated choke. The voltage output is short-circuit and overload protected. The two-colour LED indicates device output status. Device type ITR900-6000 has an additional 30 V DC short-circuit and overload protected voltage output that can be used to power an additional bus line (in combination with a separate choke).

IMPORTANT

If the device overheats due to extended overload (> 100 °C in housing) it switches off automatically. All LEDs are OFF. The device can be switched on again only after it has been disconnected from the mains for 60 seconds and has cooled to operational temperature internally.

Eliminate the cause of the overload before switching back on.

When commissioning the device, ensure that the rated current is not continuously exceeded.

The voltage output without choke (I₂) is not electrically isolated from the KNX voltage output (I₁). It may only be used to power an additional bus line in combination with a separate choke. It may not, for example, be used to power IP devices (see SELV guidelines).

Devices are designed for continuous operation. They are not approved for frequent switching on and off.

CONNECTION DIAGRAM

1. Bus connection terminal
2. Label carrier
3. Power supply connection U_s
4. Status LED
5. Voltage output without choke, I₂

