

Data sheet

KNX IP LineMaster 762

(Art. # 5212)

640 mA Power supply with integrated KNX IP Router and diagnosis functions

Photo of the device

Application area

The KNX IP LineMaster 762 combines the essential functions of a KNX bus line: Power supply with choke, KNX IP Router and KNX IP Interface with a small footprint of only 6 units (108 mm).

The KNX IP Router in the LineMaster allows forwarding of telegrams between different lines through a LAN (IP) as a fast backbone. In addition this device is suited to connect a PC to the KNX network e.g. for ETS® programming.

The IP address can be obtained by a DHCP server or by manual configuration (ETS) respectively. This device works according to the KNXnet/IP specification using the core, the device management, the tunneling and the routing part.

The KNX IP LineMaster has a filter table (8 kByte) and is able to buffer up to 150 telegrams.

An easy to read OLED display on the front panel enables the user to display the operating parameters locally on the device.

Technical Specification

Electrical safety

- Protection (acc. EN 60529): IP 20

CE marking according to

- Low Voltage Directive 2014 / 35 / EU
- EMC Directive 2014 / 30 / EU
- RoHS Directive 2011 / 65 / EU
- EN 50491-3: 2009, EN 50491-5-1: 2010, EN 50491-5-2: 2010, EN 50491-5-3: 2010
- EN 61000-6-2: 2005, EN 61000-6-3: 2007 + A1: 2011
- EN 60950-1: 2005 + A1: 2009 + A2: 2013
- EN 50581: 2012

Environmental requirements

- Ambient temp. operating: - 5 ... + 45 °C
- Ambient temp. non-op.: - 25 ... + 70 °C
- Rel. humidity (non-condensing): 5 % ... 93 %

Mechanical data

- Housing: plastic (PC)
- DIN rail mounted device, width: 6 units (108 mm)
- Weight: approx. 300 g

Controls and Indicators

- OLED display, Programming LED
- 4 buttons

Ethernet

- 100BaseT (100 Mbit/s)
- Supported internet protocols ARP, ICMP, IGMP, UDP/IP, DHCP and Auto IP
- Up to 6 KNXnet/IP Tunneling connections simultaneously

KNX

- Medium IP/TP
- Filter table 8 kByte

Power Supply

- Input supply 230 V AC, 50 Hz
- Power loss (no operation): ca. 1.2 W
- Power consumption (max., overload): 48 W
- Efficiency at rated load: ca. 85 % (including bus choke)

Output

- KNX rated voltage 30 V DC, SELV
- Auxiliary rated voltage 30 V DC, SELV
- Rated current 640 mA (both outputs in total)

Connectors

- Pluggable screw connector for 230 V AC
- Bus connector for KNX output (RD / BK)
- Connector for auxiliary power output (YE / WH)
- LAN RJ-45 socket

Installation Instructions

- The device may be used for permanent interior installations in dry locations or within distribution boards with DIN rail.

**WARNING**

- The device must be mounted and commissioned by an authorized electrician.
- The prevailing safety rules must be heeded.
- The device must not be opened.
- For planning and construction of electric installations, the relevant guidelines, regulations and standards of the respective country are to be considered.
- The device is a permanently connected equipment: A readily accessible disconnect device shall be incorporated external to the equipment.
- The installation requires a 16 A fuse for external overcurrent protection.
- The power rating is indicated on the side of the product.

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