

Data sheet

**KNX IP LineMaster 762.1 secure**

KNX power supply 640 mA with KNX IP router



(Art. # 5465)

**Application area**

The KNX IP LineMaster 762.1 *secure* combines the essential functions of a KNX bus line: KNX power supply with choke, KNX IP router and KNX IP interface. In addition to the bus voltage the power supply offers an auxiliary voltage.

The KNX IP router in the KNX IP LineMaster 762.1 *secure* allows forwarding of telegrams between different lines through a LAN (IP) as a fast backbone. Using the embedded KNX IP interface, the KNX line can be connected directly to a PC (e.g. by ETS).

The device supports KNX Security which can be enabled in ETS. As secure router the device allows coupling of not secured communication on KNX TP to a secured IP backbone. Also for the interface functionality (tunneling) KNX Security prevents from unauthorized access. 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 762.1 *secure* has an extended filter table for main groups 0 to 31 and is able to buffer up to 150 telegrams.

**Technical Specification****Electrical safety**

- Protection (acc. EN 60529): IP20

**CE marking according to**

- Low Voltage Directive 2014 / 35 / EU
- EMC Directive 2014 / 30 / EU
- RoHS Directive 2011 / 65 / EU
- EN 63044-3: 2018, EN 63044-5-1: 2019  
EN 63044-5-2: 2019, EN 63044-5-3: 2019
- EN 61000-6-2: 2019  
EN 61000-6-3: 2007 + A1: 2011
- EN 63000: 2018

**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
- DIN Reiheneinbau mit 6 TE (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, TCP/IP, DHCP and Auto IP

**KNX**

- Device model: 0x091A
- Medium IP/TP
- KNX Security (AES-128)  
Incl. Tunneling V2, Core V2
- Up to 8 KNXnet/IP Tunneling connections simultaneously
- Extended filter table for main group 0 ... 31
- Buffer: 150 telegrams
- Interface protocol: cEMI
- Max. APDU length: 220

**Power supply**

- Input supply 230 V~, 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)

**Connectors**

- Pluggable screw connector for 230 V~
- Cross-section of connectors: 1.5 ... 2.5 mm<sup>2</sup>
- Bus connector for KNX output (RD / BK)
- Connector for auxiliary power output (YE / WH)
- LAN RJ-45 socket

**Output**

- KNX rated voltage 30 V<sup>==</sup>, SELV
- Auxiliary rated voltage 30 V<sup>==</sup>, SELV
- Rated current 640 mA (both outputs in total)

**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.



Product database for ETS 5/6  
[www.weinzierl.de/en/products/762.1/ets6](http://www.weinzierl.de/en/products/762.1/ets6)  
**Manual**  
[www.weinzierl.de/en/products/762.1/manual](http://www.weinzierl.de/en/products/762.1/manual)  
**CE Declaration**  
[www.weinzierl.de/en/products/762.1/ce-declaration](http://www.weinzierl.de/en/products/762.1/ce-declaration)

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