

Data sheet

## KNX IP Multi IO 580 (48I/O)

(Art. # 5238)

KNX IP Multi IO with 48 configurable In- and Outputs



### Application area

The KNX IP Multi IO 580 is a universal binary interface for building control. It provides 48 I/O lines. Each line can be used as binary input as well as binary output. The peripherals can be fed by an external voltage of 24 V<sub>DC</sub>. Channels which are configured as inputs can be used to control lights or blinds via the KNX network. They also can be used to count impulses, e.g. as interface for energy meters. Channels which are configured as outputs can directly drive signal LEDs, external coupling relays (e.g. 590) or jalousie relays (592).

The device works using the medium KNX IP. It can be configured using the ETS (Version 4.2 or higher) with native parameters and standard group objects. Also the KNX addressing scheme, based on individual device address and group objects, is unchanged. An easy to read OLED display on the front panel enables a manual operation to test the installation.

### Technical Specification

#### Electrical safety

- Protection (acc. EN 60529): IP 20

#### CE marking according to

- 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 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 (108mm)
- Weight: approx. 260 g

#### Controls and indicators

- OLED display with 4 buttons
- KNX programming LED (red)

#### KNX

- Medium IP

#### Power Supply

- Power supply for I/O lines: 24 V<sub>DC</sub>, ca. 45 mA with no load

#### Connectors

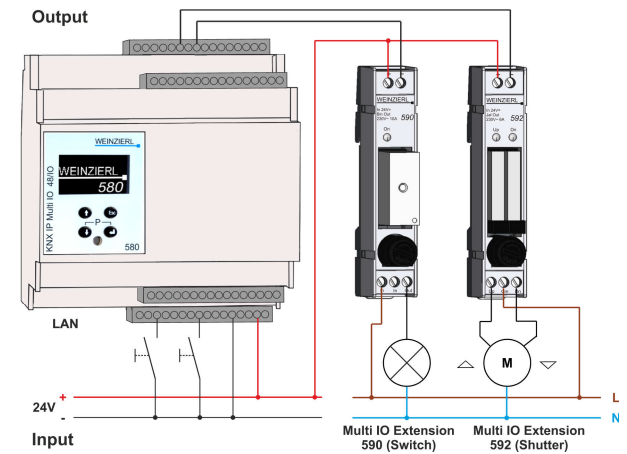
- LAN RJ-45 socket
- Pluggable screw connectors (4 poles) for power supply
- Pluggable screw connectors (12 poles) for I/O lines

#### I/O lines

- Output: Open-Drain, max. 100 mA, incl. flyback diode
- Input: Incl. pull-up resistor

### Installation Instructions

- The device may be used for permanent interior installations in dry locations, within distribution boards or small casings 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.



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