

Data sheet:

Web-IO 4.0 230V Relay 1xNO, 1xCO



Article no.: 57832

238.00 €

*Net price for commercial users

Switch remotely...

With the Web-IO 4.0 230V Relay 1xNO, 1xCO [230V switching signals](#) can be controlled via TCP/IP Ethernet. There are numerous Web and network services available for switching up to 16A with the two integrated relays - even directly from the browser or from a smart phone. Using protocols such as [OPC UA](#), [MQTT](#) and [REST](#) the Web-IO is an ideal fit in the world of Industry 4.0 and the Internet of Things.

Properties

Switching signals:

- **2 switching outputs:**
 - via bistable relays
 - 1 x potential-free normally open contact for 230V mains
 - 1 x potential-free changeover contact for 230V mains
 - Switching currents up to max. 16A

Connectivity:

- **Intuitive Web interface** for simpler operation
 - Select between German or English
 - [Switching the outputs directly from the Web interface](#)
 - [Adaptation for smartphone](#)
 - HTTP and HTTPS
- **Current Industry 4.0 protocols:**
 - [OPC UA](#), REST and [MQTT](#) support
 - AMQP on request
- **Box-to-Box**
 - [Pass switching signals over the network 1:1](#)
- **Alarm and reporting functions:**
 - [Email for alarm sending or as status report](#)
 - [SNMP polling / alarm traps V1 V2 V3](#)
 - Switching your outputs in alarm situations
 - Switching the outputs on another Web-IO
 - HTTP requests for controlling third-party devices
 - Up to 30 actions can be configured
- **Dynamic integration into other Web sites:**
 - Direct access to current IO states via [HTTP requests](#), [AJAX](#) and [JavaScript](#)
- **Additional software interfaces for incorporating into your systems/databases:**
 - [OPC UA](#), [OPC DA](#)
 - [Modbus TCP](#)
 - Syslog, SNMP V1 V2 V3
 - [TCP and UDP sockets, client and server](#)
 - [HTTP](#), [HTTPS](#), [AJAX](#)
 - [FTP \(data logging\)](#)
- **Internal clock**
 - Time synchronization using time server calibration

- Battery-backed device clock

- **Possible applications:**

- Remote monitoring and fault messaging
- Cross-location switching
- House and building automation
- Process monitoring and visualization
- Light, gate and cabinet control
- Machine Data Collection (MDC)
- More uses can be found [here](#).

Power supply:

- **External power**

- Screw terminal
- 230V AC (50Hz)

Standards & more

- **Conforms to standards both in office and industrial environments:**

- High noise resistance per EN 61000-6-2
- Low noise emission per EN 55032:2015 + A1 Cl. B, EN 61000-3-2 & EN 61000-3-3

- **5 year guarantee**

Wish for something!

[Your suggestions for improvement and additions](#)

Technical data

Connections, displays and control elements:

Digital switching outputs:	via bistable relays 1 x potential-free normally open contact, max. 16A 1 x potential-free changeover contact, max. 16A
Network:	10 / 100BaseT autosensing
Power supply:	230V AC (approx. 15mA@230V)
Galvanic isolation:	Digital output to network: min. 1000 V
Connections:	1 x 8x screw terminals for power and IOs 1 x RJ45 for network
Indicators:	Status LEDs for network 2 LEDs for switching states

Data transmission:

Protocols:	HTTP and HTTPS TCP and UDP sockets, client and server MQTT - Publish and Subscribe REST SNMP V1 V2 V3 including traps SMTP e-mail sending OPC server Modbus TCP Inventory keeping, group management
Response times:	Data and switching traffic: typically 12 ms

Housing and other data:

Housing:	Plastic housing for top hat rail installation 90x45x56 mm (LxWxH)
Enclosure rating:	IP20
Weight:	approx. 140 g
Storage temperature:	-25°C - 70°C
Operating temperature:	0°C - 40°C
Permissible relative humidity:	5% - 95 % relative humidity (non-condensing)
Scope of delivery:	1 x Web-IO 4.0 230V Relay 1xNO, 1xCO 1 x Quick Guide Other accessories can be ordered separately

Accessories

*Net unit price for
commercial users

Mechanical Accessories

Mounting bracket for wall mounting	58812	11.20 €
19" DIN rail	58813	21.00 €
Wall mount housing, enclosure rating IP66 / IP67	11120	54.00 €

Supplementary network products

Ethernet Switch Gigabit Industry, 4 Ports	55614	148.00 €
logic.hub	50506	598.00 €

* Our offering is intended only for commercial users. We will be happy to refer private end customers to trading partners through whom our products can be purchased.

Secure connection:



We are available to you in person:

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