

Data sheet:

## Web-IO 4.0 Digital, 1x230V In, 1xRelay Out



Article no.: 57732

EUR 238.00

\*Net price for commercial users

### Switch, monitor and count ...

With the Web-IO 4.0 Digital [230V switching signals](#) controlled, acquired and monitored over TCP/IP Ethernet. Numerous Web and network services are available for reporting changes on the input and output - including directly in the browser. With 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:

- **1 switching input:**
  - Digital input, 230V
  - 32-bit event counter
- **1 switching output:**
  - Potential-free output for 230V mains voltage
  - 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 measurement values 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 via 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**
  - 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 output:	1 x potential-free contact, max. 16A
Digital input:	1 x digital in, max. input voltage 250V AC Switching threshold 80V Integrated 32-bit event counter
Network:	10/100BaseT autosensing
Power supply:	230V AC (approx. 15mA@230V)
Galvanic isolation:	Digital output - network: min. 1000 V Digital input - network: min 2000 V Digital input - output: min. 1000 V
Adapters:	1 x 6x screw terminal for supply and IOs 1 x RJ45 for network
Displays:	Status LEDs for network 2 LEDs for digital 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 90x45x56mm (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% RH (non-condensing)

Scope of delivery: 1 x Web-IO 4.0 Digital, 1x230V In, 1xRelay Out  
1 x Quick Guide  
Power supply and other accessories can be ordered separately

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## Accessories

\*Net unit price for  
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### 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 Industry, 4 Ports	55604	218.00€	
Ethernet Switch Gigabit Industry, 4 Ports	55614	148.00€	
Motherbox 3	50504	328.00€	

\* 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.



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