W&T connects

Interfaces for TCP/IP, Ethernet, RS-232, RS-485, USB, 20mA,
glass and plastic fiber optic cable, http, SNMP, OPC, Modbus TCP, I/O digital, I/O analog, ISA, PCI

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Data sheet:

Web-IO 4.0 230V Relay 4xNO, 4xCO

Article no.: 57838

EUR 338.00

*Net price for
commercial users

Switch remotely...

Using the Web-IO 4.0 230V Relay 4xNO, 4xCO you can control 230V switching signals via TCP/IP Ethernet. There are numerous Web and network services available for switching up to 6A with the eight 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:

- **8 switching outputs:**
  - via bistable relays
  - 4 x potential-free normally open contacts for 230V mains
  - 4 x potential-free changeover contacts for 230V mains
  - Switching currents up to max. 6A

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 the contacts 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:**
  - Cross-location switching
  - House and building automation
  - Light, gate and cabinet control
  - 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
	4 x potential-free normally open contacts, max. 6A
	4 x potential-free changeover contacts, max. 6A
Network:	10/100BaseT autosensing
Power supply:	230V AC (approx. 15mA@230V)
Galvanic isolation:	Digital output to network: min. 1000 V
Adapters:	1 x 3x screw terminals for power
	2 x 11x screw terminals for the outputs
	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
	90x116x56 mm (LxWxH)
Enclosure rating:	IP20
Weight:	approx. 330 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 230V Relay 4xNO, 4xCO
	1 x Quick Guide
	Power supply and other accessories can be ordered separately

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Accessories

*Net unit price for commercial users

Mechanical Accessories

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€
Ethernet Switch Industry, 4 Ports	55604	218.00€

* 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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