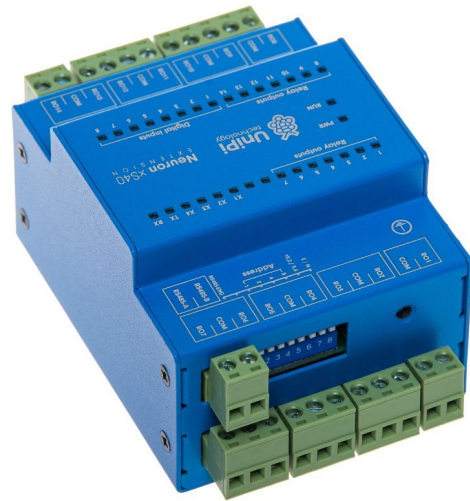
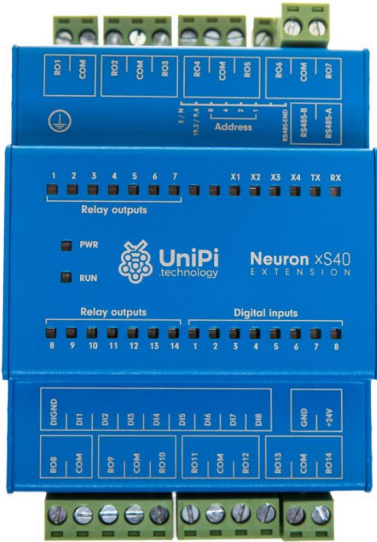


Unipi Extension xS40

PRODUCT DESCRIPTION

Unipi Extension xS40 is an extension module communicating via the RS485 serial interface (Modbus RTU). The module is a simple and inexpensive method of extending your project by additional inputs & outputs. The xS40 offers a higher number of relay outputs and a basic set of digital inputs, making it suitable for a wide array of applications.

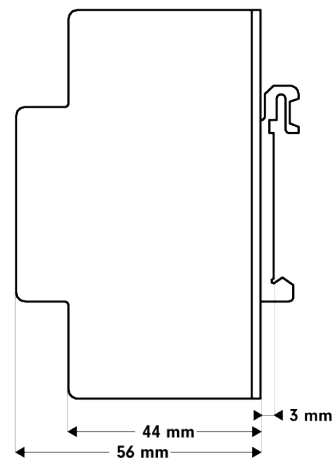
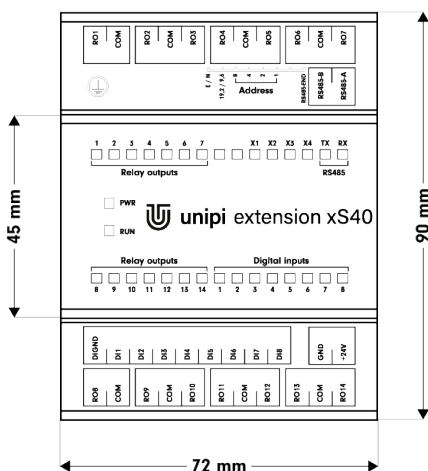


INPUTS & OUTPUTS

- 1 × RS485 Modbus RTU with galv. isolation
- 8 × digital input (incl. pulse counter)
- 14 × relay output

OTHER FEATURES

- Special functions
 - Direct Switch – automatic response to input value change
 - MasterWatchdog – switches outputs to a safe mode if communication with the PLC is interrupted
 - Configurable user LEDs.
- Durable aluminium chassis (IP20)
- Available in OEM variant.



Unipi Extension xS40

- **Communication**

Serial/bus channels	1 × RS485
RS485 transmission speed	134 baud .. 115 200 baud
RS485 galvanic isolation	Yes
RS485 pull-up/pull-down resistors	No
RS485 terminating resistor	Attachable, 120 Ω

- **Digital inputs**

Nr.of inputs × groups	6 × 1
Common connector	DIGND
Galvanic isolation	Yes
Functions of inputs	Counter (incl. memory), signalization, Direct Switch
Max. frequency of counter input signal	10 kHz
Input voltage of log. 0	Max. 3 V DC
Input voltage of log. 1	Min. 7 V DC
Max. input voltage	35 V DC
Input resistance	6 200 Ω
Delay 0→1/1→0	20 μs / 60 μs

- **Relay outputs**

Nr.of outputs × groups	1 × 2, 2 × 6
Galvanic isolation	Yes
Type of contact	Normally open (SPST)
Switchable voltage	250 V AC / 30 V DC
Switchable current	5 A
Short time overvoltage	5 A
Current via common conn.	10 A
Time to switch on/off	10 ms
Mechanical lifetime	5 000 000 cycles
Electrical lifetime	100 000 cycles
Protection against shortage	No
Inductive load protection	Not included
Isolation voltage	4 000 V AC
Isolation voltage	4 000 V AC

- **Power supply**

Rated voltage - SELV	24 V DC
Power consumption	Typ. 2 W Max. 11 W
Reverse polarity protection	Yes

- **Installation and operating conditions**

Degree of protection IP (IEC 529)	IP 20
Operation position	Horizontal
Installation	On 35mm DIN rail into distribution box (holder included)
Connection	Pluggable terminal blocks
Wire gauge	Max. 2.5 mm ²

- **Dimensions and weight**

Dimensions	72 × 90 × 56 mm
Weight	320 g

- **Standards compliance**

EN 60730-1 ed.3:2012
RoHS
WEEE