

Shelly Pro Modbus Add-on RS485

RS485 Modbus add-on for Shelly Pro devices

EAN code: 3800238074487



Product description

The Shelly Pro Modbus Add-on RS485 expands Shelly Pro devices into professional automation components by adding reliable RS485 Modbus communication. It attaches directly to the expansion port of compatible Shelly Pro devices.

Through the widely adopted RS485 standard, it enables integration with BMS, EMS, SCADA and other professional automation systems, and is designed for long cable runs and electrically demanding environments. It supports both Modbus client mode (reading data from external meters and controllers) and Modbus server mode (sharing the device's own measurements and states).

Supports multi-device RS485 networks with up to 32 nodes. DIN-rail mountable.

Technical data

Physical	
Size (HxWxD):	94 x 19 x 69 mm / 3.70 x 0.75 x 2.71 in
Weight:	48 g / 1.70 oz
Mounting:	DIN rail
Screw terminals max torque:	0.4 Nm / 3.5 lbin
Conductor cross section:	0.3 to 2.0 mm ² / 22 to 14 AWG
Shell / connectors:	Black / black and green
Environmental	
Ambient working temperature:	-20 °C to 40 °C / -5 °F to 105 °F
Humidity:	30 % to 70 % RH
Max. altitude:	2000 m / 6562 ft
Electrical	
Power supply:	3.3 V / 12 V (via host Pro device)
Power consumption:	< 1 W
Interface & communication	
Host interface:	Shelly proprietary expansion port
Protocol:	Modbus RS485 (client & server)
Bus:	Half-duplex, up to 32 nodes
Max. speed:	10 Mbps

