SFAR-S-16RO

SFAR-S-16RO has **16x RO** (Relay Outputs). Relay Outputs are normally open (NO) type relay outputs 230 V AC/ 30 V DC max. **3 A**. Each channel can be individually configured in one of several modes. Built-in **RS485** interface allows to easy connection over **Modbus RTU/ASCII** protocol with a PLC makes the modules an external I/O. The use of **32-bit ARM** core processor provides fast processing and communication with the baud rate from 2400 to 115200 bps. The module is equipped with a set of **LED**s used to indicate the status of outputs, power supply and RS485 communication. This feature is useful for diagnostic purposes and helping to find errors.

Built-in mini **USB** allows for initial configuration of the unit without power supply.

To simplify installation the modules have been equipped with **Quick Connector** system. Using dedicated **SFAR-S-LINK** cable allows to connect up to 15 modules which provide both RS485 communication and power supply.

Key Features

- 16x Relay Output grouped into 4 with a common
- 3 A @ 30 V DC or 3 A @ 250 V AC for each common
- Watchdog function
- Built-in LEDs for device status indication
- Modbus RTU/ASCII communication
- Baud rate: 2400 bps to 115200 bps
- Up to 128 modules on the bus
- Dedicated TCP/IP to Modbus RTU/ASCII gateway device SFAR-S-ETH
- Built-in mini USB type B port for configuration
- Fast and easy connection with SFAR-S-LINK
- Space-saving housing, DIN rail mount

SFAR-S-16RO

Specification

Relay Outputs (RO)

- Relay Output (NO) max. 3 A @ 30 V DC, 3 A @ 230 V AC

Platform

- ARM Cortex-M3

Communication

- Interface RS485 half-duplex
- Up to 128 devices on the bus
- Protocol: Modbus RTU/ASCII
- Baud rate: 2400 to 115200 bps
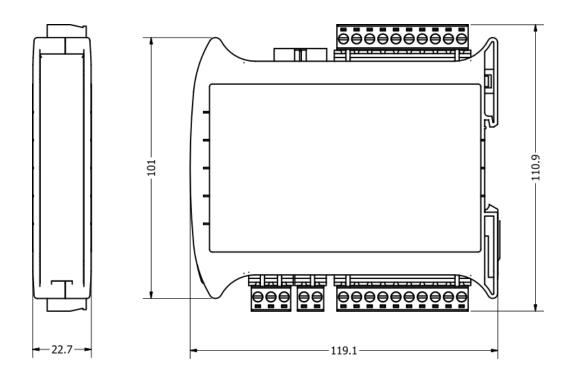- Interface mini USB type B

Power supply

- 12-24 V DC ± 20%

Housing

- Dimension WxHxD: 22.7x110.9x119.1 mm (0.894x4.366x4.689 in)
- Construction: UL approved, self-extinguishing plastic (PC/ABS)
- DIN rail mounting DIN (DIN EN 50022 norm)
- Cooling: internal air circulation

Environment

- Operating temperature: -10°C to 50°C (14°F to 122°F)
- Storage temperature: -40°C to 85°C (-40°F to 185°F)
- Relative humidity: 5% to 95%, no condensation
- Ingress Protection Rating: IP40 – for indoor installation

Dimensions