

SFAR-1M-4DI

SFAR-1M-4DI has 4x DI (Digital Inputs). Digital Inputs can work as fast pulse counter up to 1 kHz and support PNP or NPN input types. All inputs are separated from power supply and RS485 block with use of optical isolators.

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 LEDs used to indicate the status of inputs, 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.

Key Features

- 4x opto-isolated Digital Input can work as 32-bit impulse counters or timer
- Closed contact or Digital Input work modes
- Support for 2 encoders
- 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
- Built-in mini USB type B port for configuration
- Space-saving housing, DIN rail mount



SFAR-1M-4DI

Specification

Digital Inputs (DI)

- Input type: PNP or NPN
- Fast pulse counter up to 1 kHz save to FRAM memory
- Time counting in ms for active input
- DI1-DI4- encoders support

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 \pm 20%

Housing

- Dimension WxHxD: 17x90x56 mm
- 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
- Storage temperature: -40°C to 85°C
- Relative humidity: 5% to 95%, no condensation
- Ingress Protection Rating: IP40 – for indoor installation

Dimensions

