



## Anybus E300 Modbus TCP

Item number: 028810-B

The Anybus E300 Modbus TCP Module is designed to work with the Allen-Bradley E300 Electronic Overload Relay from Rockwell Automation. When an E300 needs to be integrated with a Distributed Control System (DCS) that uses Modbus TCP as its communication backbone, the module enables the E300 to function as a Server node on the Modbus TCP network.



*Modbus TCP Communication module for Allen-Bradley E300 electronic overload relay*

### Features and benefits

#### ✓ Enhanced control capabilities

The E300 Modbus TCP module allows the DCS to send control commands to the E300 and monitor the device via Modbus TCP.

#### ✓ Modbus TCP server functionality

With the Anybus E300 Modbus TCP, the E300 Relay is a Modbus TCP Server node on the network. Any Modbus TCP Client device or application can exchange data with the E300.

#### ✓ Web-based configuration interface

Configure the E300 Relay internal settings and network parameters via an easy on-board web server. Access Live data in parameter monitor pages. Check device & network status with a diagnostics menu.

#### ✓ Connects directly to the E300 relay

The E300 Relay is comprised of three modules: Sensing, Control, and Communication Module. The Anybus E300 Modbus TCP is an integral part of this three-module configuration.

#### ✓ Streamlined management

Configuration parameters and setpoints can be sent from the primary client. Up to four simultaneous connections are supported.

#### ✓ 2-port Ethernet switch

The integrated 2-port Ethernet switch enables connecting multiple E300 Relays in a daisy-chain fashion, eliminating the need for a stand-alone Ethernet switch.

# Anybus E300 Modbus TCP



## General

|                                                |                                                                                                                       |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Net Weight (g)                                 | 85                                                                                                                    |
| Packed Weight (g)                              | 85                                                                                                                    |
| Operating Temperature °C Min                   | -20                                                                                                                   |
| Operating Temperature °C Max                   | 55                                                                                                                    |
| Storage Temperature °C Min                     | -40                                                                                                                   |
| Storage Temperature °C Max                     | 85                                                                                                                    |
| Relative Humidity                              | EN 600068-2-78: Damp heat, +40°C, 92% humidity for 56 days EN 60068-2-30: Damp heat, +25°C – +40°C, 93% RH, 21 cycles |
| Current Consumption Type Value at Vcc Nom (mA) | Typical: 220 mA @ 5 VDC                                                                                               |
| Warranty (years)                               | 3                                                                                                                     |

## Identification and Status

|                   |            |
|-------------------|------------|
| Product ID        | 028810-B   |
| Country of Origin | Poland     |
| HS Code           | 8517620000 |
| Dual Usage        | No         |

## Physical Features

|                             |          |
|-----------------------------|----------|
| Connectors / Input / Output | RJ45 x 2 |
| Contains Battery            | No       |

## Certifications and Standards

|                     |      |
|---------------------|------|
| Protection Class IP | IP20 |
|---------------------|------|