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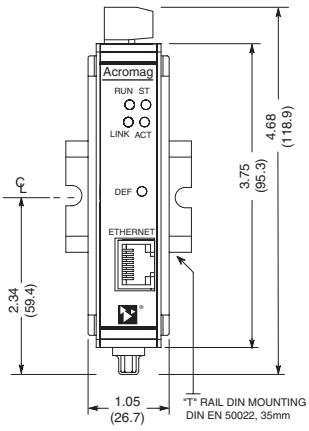
Find the *Acromag BusWorks 958EN-4016* at our website: *Click HERE*

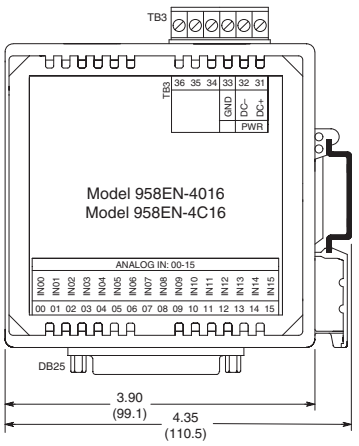
Ethernet I/O: BusWorks® Series

958EN Ethernet microBlox® Interface Modules (Analog Input)

RoHS Compliant | Ex | cULus LISTED | CE | 24 HOUR STOCK ITEM | 2 YEAR WARRANTY







Standard model includes cage clamp terminal blocks. Optional terminals are available (see Page 26).

Modbus/TCP conformance tested

16-channel Single-ended Voltage Input ◆ DB25 Port for microBlox® Modules ◆ Modbus TCP/IP comm.

Description

Models

958EN-4016: Industrial-grade units
958EN-4C16: Commercial-grade units

These modules interface high-level analog input signals to an Ethernet control network. A high-performance design ensures reliable measurements and dependable operation.

The DB25 port provides a parallel connection to a rack of microBlox™ analog input modules. The microBlox™ modules provide an isolated front-end with signal conditioning of up to 16 sensor signals.

Industrial-grade models add a configurable integrator/totalizer plus superior accuracy and temperature performance compared to the economical commercial-grade version.

Input Ranges

±5V DC via DB25 port connection (default) or ±10V DC

Ethernet Communication

Modbus TCP/IP, 10/100Base-T(X)

Power Requirement

18 to 36V DC, 2.0W

Approvals

CE, UL/cUL (industrial-grade units only)
Zone 2, Class 1, Division 2, ABCD

Key Features & Benefits

- DB25 port provides an easy connection to a rack of microBlox™ signal conditioning modules (4, 8, or 16 ch panels supported)
- High-resolution 16-bit A/D
- Fast scanning of all channels in 8mS
- 3-way isolation and surge suppression
- Configurable integration/totalization function with non-volatile memory
- Dual-format 16/32-bit data registers
- Scaling registers on all channels
- Configurable sample averaging
- Automatic calibration and self-test
- User-adjustable TCP Ports 1-99,999 for advanced network configuration
- Web browser configuration with copy utility for fast setup

Performance Specifications

Accuracy
958EN-4016: Less than 0.05% of range.
958EN-4C16: Less than 0.10% of range.

Input Impedance
4M ohms

Operating Temperature and Humidity Ranges
958EN-4016: -40 to 70°C (-40 to 158°F)
958EN-4C16: 0 to 55°C (32 to 131°F)
Relative humidity: 5 to 95%, non-condensing

Isolation
3-way isolation of I/O, power, network circuits.
Peak: 1500V AC, ANSI/ISA-82.01-1988.
Continuous: 250V AC, 354V DC.

Ordering Information

◆ I/O Modules

958EN-4016 {industrial-grade}
16-ch voltage input module with integrator
958EN-4C16 {commercial-grade*}
16-ch voltage input module

* CE approval only, no integrator function

◆ Accessories

Industrial Ethernet Switches
Hardware Accessories and Power Supplies
Software Support

Acromag® THE LEADER IN INDUSTRIAL I/O

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