CANopen Industrial I/O Modules

CANopen Industrial I/O Modules are robust and durable IP67-rated input/output (I/O) modules designed for connecting industrial controllers and devices in harsh-duty environments to enable fast and versatile automation of industrial networks that use the CANopen protocol.

ADVANTAGES AND FEATURES

Is resistant to vibration and dust Resin potting seals cables against environmental ingress for on-machine mounting.

Provides flexibility to configure module for multiple applications

Users can choose between fixed and configurable digital I/O channels, with various input and output combinations available, to improve versatility and reduce costs.

Reduces installation time with M12 Ultra-Lock push-to-lock connectors

Fast and secure Ultra-Lock connectors enable guick changeovers, with threaded M8 connectors also available for greater flexibility.

Accelerates time to market with off-the-shelf options

Industrial Automation Automotive assembly lines

Material handling devices

CNC machines

Conveyors

Robotic cells

Delivery is available in six to eight weeks.

MARKETS AND APPLICATIONS

Complex factory automation devices

Warehouse automation systems

Communicates module and network status quickly through diagnostics **LEDs**

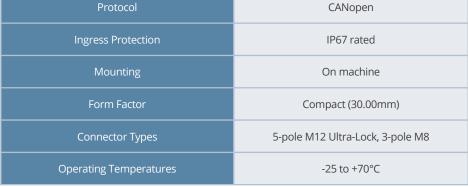
Diagnostic capabilities via fieldbus messaging integrated into the module website combine with visible diagnostic LEDs to report I/O, module and network status. This enables maintenance personnel to easily identify problems guickly and minimize downtime.

CANOPER

Automotive Assembly Lines

Conveyors

Form Factor **Connector Types Operating Temperatures**











CANopen Industrial I/O Modules

SPECIFICATIONS

Reference Information

Part Numbers: 1120985007, 1120985008 Packing: Carton Designed in: Millimeters CANopen Certification: Yes RoHS: Yes CE: Yes REACH: Yes cUL: Yes EMC: IEC 61000-6-2 I/O Configurations: 8x inputs 8x I/O user configurable using ESD file

Connectors

I/O Connectors: Female, M8, 3 pole Bus In: Male, M12, A-code, 5 pole Bus Out: Female, M12, A-code, 5 pole Power Connectors: No (power supply via CAN bus)

Physical

Dimensions: 175.00 by 30.00 by 20.00mm (6.89" by 1.18" by 0.78") Housing: IP67-rated according to IEC 60529 Housing Material: PBT VALOX 420 SEO Operating Temperatures: -25 to +70°C Storage Temperatures: -25 to +85°C Relative Humidity: 10 to 95%, non-condensing

Input

Input Type: Compatible with dry contact, PNP or NPN, 2/3-wire sensors Diagnostic LEDs: Yes Electronic Short Circuit Protection: Yes Input Delay: 2.5 milliseconds default or configurable through CANopen object parameter Input Device Supply: 200mA per port at 25°C

Output

Output Load Current (max.): 2.0A per channel, 4.0A per module Switching Frequency (max.): 300 Hz

molex

Fieldbus

CANopen Slave, DS401 Profile I/O Data Access Method: Synchronous acyclic, synchronous (sync) and asynchronous

Communication

Communication Rate: Auto baud, all CAN baud rates up to 1M baud Address Settings: 1 to 99 by 2 rotary switches

Shock and Vibration

Mechanical Shock: 10G, 11 milliseconds, 3 axes Vibration: EN 60068-2-6