



MLC 9000+™

Maximum Productivity and Versatility for Control without Compromise!

CANopen Bus Communication Module

DESCRIPTION

The CANopen Bus Communication Module (BCM) is part of the MLC 9000+ DIN rail mount PID control system. The BCM handles communication between up to 8 single or multi loop controller modules and the CANopen network. Systems larger than 32 loops can be built using multiple BCMs, within the limitations of your CANopen system.

CANopen

CE

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APPLICATIONS:

Ideal for multi-zone temperature or process control applications (speed, flow, pressure, etc). Takes the place of either a PLC and multiple discrete controllers or combination PLC/HMI. For users seeking an integrated solution for improved PLC performance with CANopen protocol.

INDUSTRIES

Packaging, plastics, converting, semi-conductor, food processing, heat treat and environmental test chambers to name a few.

FEATURE/BENEFITS

- CANopen Configuration Port
- Supports up to 1024kbps
- DIN Rail Mounting
- Software Configuration
- Configuration Data Assemblies

PARTLOW™ brand

MLC 9000+™

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CANopen Bus Communication Module

SPECIFICATIONS*

STANDARD FEATURES

Protocol: CANopen (Slave Device)
Supports up to 8 LCM modules per BCM (for max of 32 loops); Larger systems require multiple BCM's (dependent on bus module(s) type ordered)
Equipped with CANopen Port and Partlow Configuration Port
Construction/Enclosure: Compact, modular, behind the panel (BTP), DIN rail design; NEW ABS black bus module with dedicated configuration port

OPERATING CHARACTERISTICS (APPLIES TO BOTH BCM/LCM)

Operating Temp: 32° to 131°F (0° to 55°C)
Storage Temp: -4° to 176°F (-20° to 80°C)
Humidity: 30% to 90% non-condensing R.H.

ELECTRICAL

Power Consumption: 30W Max
Power Supply: 2-way; 5.08mm (0.2"); Combicon type
Line Voltage: 18-30VDC (including ripple)

COMMUNICATIONS INTERFACES

CANopen PORT
Protocol: CANopen Slave device
Port: Connects to a CANopen system
Function: Connects the MLC9000+ system to a CANOpen Master Device
Data Rate: Data Rate 125kbps, 250kbps, 500kbps or 1024kbps; Node ID 1 – 127 (Defaults 125kbps, Node ID 1). Configured using the MLC 9000+ Configurator software, via the configuration port .
I/O Size: Dependent on data assembly configuration; Maximum 256 bytes total of input/output data limited by CANopen
Messaging Supported: Cyclic and Acyclic Messaging
EDS File: The EDS file is defined by the MLC9000+ Configuration Software
Connector: 5-way 5.08mm combicon type
Diagnostics: Two Color LED, indicating On/Off-line, Self Test, Bus Fault and Communication Status
CONFIGURATION PORT
Protocol: Partlow PC Configuration protocol only
Function: Communicates with Partlow MLC 9000+ Configuration Software allowing the user to fully customise the communication interface to the MLC 9000+ system. The user drags and drops the required parameters into the data assemblies an EDS file is then created for use with your CANopen master device.
Diagnostics: Three-color LED indicating Power Fail, Bus Alarm and Communication Status
Connector: 6-way; RJ11 Type

RATINGS/AGENCY APPROVALS

Safety: EN61010 and UL/ULc 3121-1
EMC: Certified EN61326-1: 1997
Other: ISO 9002 Registered; CiA approval pending.

PROTECTION

IEC IP20; Designed for installation in an enclosure which is sealed against dust and moisture.

PHYSICAL DIMENSIONS

Width: 1.18" (30mm); Up to 8.11" (206mm) for 8 module system up to 32 loops
Depth: 4.72" (120mm)
Height: 3.94" (100mm)
Weight: 5.3 oz (0.15kg)
Mounting: directly fitted onto 35mm Top-Hat DIN rail mounting (EN55022, DIN 46277-3)

WARRANTY

3 Years

ORDERING INFORMATION

MLC 9002-BM230-CO BCM with CANopen & Configuration Ports

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