ArmorBlock I/O

Allen-Bradley

On-Machine IP65/67/69K Block I/O Platform

Features

- **Network Independence:** ArmorBlock®takes advantage of the EtherNet/IP™, DeviceNet™ and PROFIBUS communication networks.
- **IP 65/67/69K[1] Construction:** Mount anywhere on a machine, close to the sensors and actuators, for shorter cable runs and lower wiring costs.
- **Mounting:** Offers flexibility to be mounted front (panel with mount) or side (DIN-rail)[2] with consistent mounting hole dimensions on all ArmorBlock products.
- **Integration:** EtherNet/IP modules offer premier integration into Integrated Architecture with full Add-On Profiles in RSLogix™ 5000; no other configuration software is needed.
- **Material:** ArmorBlock is constructed of plastic. Armor WeldBlock housing is constructed of nickel-plated aluminum (IP67).

[1] Where marked

[2] Only 8-point ArmorBlock

ArmorBlock® Guard I/O™ on the EtherNet/IP network is now available

The ArmorBlock I/O family provides a low-cost, hardened, digital I/O product suitable for On-Machine™ use. Water- and corrosion-proof, it can mount anywhere on a machine (without a control cabinet) allowing OEMs and end users to reduce installation and operating costs. In addition, ArmorBlock I/O can mount close to sensors and actuators offering shorter cable runs and reduced wiring costs.

ArmorBlock Guard I/O is available in 16-point combined input and output versions, for use with your choice of safety input and actuator devices. This module supports multi-cast and unicast for user flexibility and features embedded EtherNet/IP that enables flexibility in choice of topographies.

ArmorBlock I/O is available in 8- and 16-point self-configuring versions for any mix of input and output, such as seven inputs and one output, or 11 inputs and five outputs.

ArmorBlock I/O and ArmorBlock Guard I/O are best suited for automotive, material handling and semiconductor applications or for machinery applications where diagnostics and local control are not needed. It also works in conjunction with Integrated Architecture Builder, a graphical tool designed to help in the configuration and quoting of Logix control systems.

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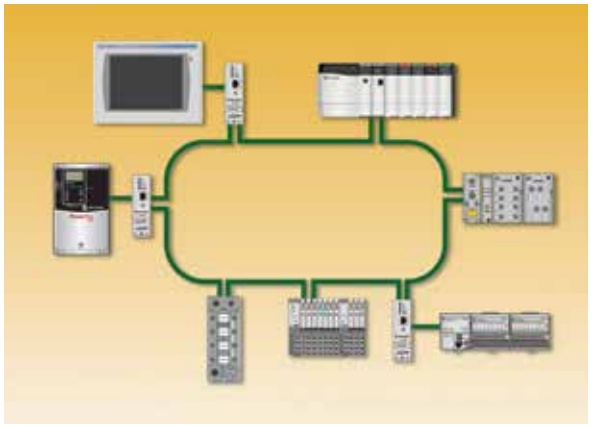
EtherNet/IP ArmorBlocks	Description
1732E-12X4M12QCDR	12 In/4 Out with Diagnostic and Quick Connect, 4-Pin Mini Aux Power
1732E-12X4M12P5QCDR	12 In/4 Out with Diagnostic and Quick Connect, 5-Pin Mini Aux Power
1732E-16CFGM12	24V DC 16 Self-Configuring Points
1732E-16CFGM12QCR	16 Channels, Self-Configuring with Quick Connect, 4-Pin Mini Aux Power
1732E-16CFGM12P5QCR	16 Channels, Self-Configuring with Quick Connect, 5-Pin Mini Aux Power
1732E-16CFGM12R	24V DC 16 Self Configuring with Dual-port
1732E-8CFGM8R	Slim Form Factor 24V DC 8 Self Configuring with Dual-port
1732E-8X8M12DR	24V DC 8IN/8OUT with Diagnostic and Dual-port
1732E-IB16M12	24V DC 16-Point Sinking Input
1732E-IB16M12DR	24V DC 16-Point Input with Diagnostic and Dual-port
1732E-IB16M12R	24V DC 16-Point Input with Dual-port
1732E-IB16M12SOEDR	24V DC 16-Point Input with CIP Sync and Dual-port
1732E-IB8M8SOER	Slim Form Factor 24V DC 8-Point Input with Sequence of Events and Dual-port
1732E-OB16M12	24V DC 16-Point Output
1732E-OB16M12DR	24V DC 16-Point Output with Diagnostic and Dual-port
1732E-OB16M12R	24V DC 16-Point Output with Dual-port
1732E-OB8M8SR	Slim Form Factor 24 V DC 8-Point Output with Scheduled Output and Dual-port
1732E-IF4M12R	Slim Form Factor, 24V DC 4-Point Analog Input, 16 Bits and Dual-port
1732E-OF4M12R	Slim Form Factor, 24V DC 4-Point Analog Output, 16 Bits and Dual-port
1732E-IT4IM12R	Slim Form Factor, 24V DC, 4-Point Isolated Thermocouple Input, 16 Bits and Dual-port
1732E-IR4IM12R	Slim Form Factor, 24V DC, 4-Point Isolated RTD Input, 16 Bits and Dual-port
EtherNet/IP Armor WeldBlocks	
1732E-16CFGM12QCWR	16 Channels, Self-Configuring with Quick Connect, WeldBlock, 4-Pin Mini Aux Power
1732E-16CFGM12P5QCWR	16 Channels, Self-Configuring with Quick Connect, WeldBlock, 5-Pin Mini Aux Power
1732E-16CFGM12W	24V DC 16 Self-Configuring Points, WeldBlock
1732E-IB16M12W	24V DC 16-Point Sinking Inputs, WeldBlock
DeviceNet ArmorBlocks	
1732D-16CFGM12M12	24V DC 16 Self-Configuring Points
1732D-16CFGM12MN	24V DC 16 Self-Configuring Points
1732D-8CFGM12	24V DC 8 Self-Configuring Points
1732D-8CFGM8	24V DC 8 Self-Configuring Points
1732D-8I8O1212D	24V DC 8IN/ 8OUT 0.5A DNET Powered with Diagnostic
1732D-8X81212D	24V DC 8IN /8OUT 0.5A AUX Powered with Diagnostic
1732D-8X81212HD	24V DC 8IN /8OUT 1.4A AUX Powered with Diagnostic
1732D-IB161212D	24V DC 16IN 0.5A DNET Powered with Diagnostic
1732D-IB16M12M12	24V DC 16-Point Input
1732D-IB16M12MINI	24V DC 16-Point Input
1732D-IB8M12	24V DC 8-Point Input
1732D-IB8M8	24V DC 8-Point Input
1732D-OB16M12M12	24V DC 16-Point Output
1732D-OB16M12MINI	24V DC 16-Point Output
1732D-OB8EM12	24V DC 8-Point Output
1732D-OB8EM8	24V DC 8-Point Output
1732D-IBDPM12MND	24V DC 16IN 0.5A DNET Powered with Diagnostic
DeviceNet Armor WeldBlocks	
1732D-16CFG1212W	24V DC 16 Self-Configuring Points WeldBlock
1732D-IB161212W	24V DC 16 Input WeldBlock
ArmorBlock Guard I/O	
1732DS-IB8	24V DC 8 Input DeviceNet Safety
1732DS-IB8XOBV4	24V DC 8 Input/4 Bipolar Pair Out DeviceNet Safety
1732ES-IB12XOBV2	24V DC 12 Input/2 Bipolar Pair Out EtherNet/IP Safety
1732ES-IB12XOB4	24V DC 12 Input/4 Sourcing Out EtherNet/IP Safety
Other Network ArmorBlock	
1732P-16CFGM12	24V DC 16 Self-Configuring Points
1732P-8CFGM12	24V DC 8 Self-Configuring Points



Dual-point adapters, coupled with the 1756-EN2TR supervisor-capable device, enable the use of Ring topology for greater system resilience.

For more information on ArmorBlock Guard I/O refer to publication 1732-SG001, the1732 ArmorBlock I/O Modules Selection Guide.
http://literature.rockwellautomation.com/idc/groups/literature/documents/sg/1732-sg001_-en-e.pdf

For more information on Sequence of Events and Scheduled Output functionalities refer to publication 1732E-UM002, the 1732E EtherNet/IP ArmorBlock Supporting Sequence of Events user manual.
http://literature.rockwellautomation.com/idc/groups/literature/documents/um/1732e-um002_-en-e.pdf

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