

ArmorBlock IO-Link Master Module

Catalog Numbers 1732E-8IOLM12R

Parts List

Your package contains one 1732E ArmorBlock™ module, a set of label markers, and these pinout guide wiring instructions.

For complete installation instructions, refer to the Module Publication Number table and visit <http://www.rockwellautomation.com/literature/>.

Module Publication Number

Module	Publication Number
ArmorBlock I/O 8 Channel IO-Link Master Module Installation Instructions	1732E-IN001



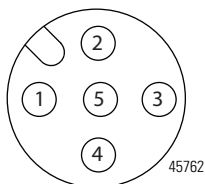
ATTENTION: This equipment is intended for use in a Pollution Degree 2 industrial environment



ATTENTION: Two sets of mounting holes are used to mount the module directly to a panel or machine. Mounting holes accommodate #8 (M4) pan head screws. The torque specification is 0.68 Nm (6 lb-in.).

I/O Connectors

Micro-style 5-Pin I/O Female Connector

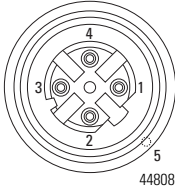


(View into connector)

- Pin 1 Sensor source voltage
- Pin 2 IO-Link, Input/output B
- Pin 3 Return
- Pin 4 IO-Link, Input/output A
- Pin 5 PE

EtherNet/IP Connector

D-Code Micro Network Female Connector



(View into connector 1)

- Pin 1 M12_Tx+
- Pin 2 M12_Rx+
- Pin 3 M12_Tx-
- Pin 4 M12_Rx-
- Pin 5 Connector shell shield GND

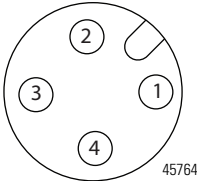
(View into connector 2)

- Pin 1 M12_Rx+
- Pin 2 M12_Tx+
- Pin 3 M12_Rx-
- Pin 4 M12_Tx-
- Pin 5 Connector shell shield GND

Auxiliary Power Connector

Auxiliary Power Micro-style 4-Pin Receptacles

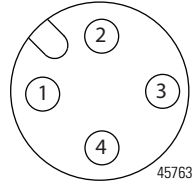
Male Input



(View into receptacle)

- Pin 1 Auxiliary power+
- Pin 2 Module/sensor power+
- Pin 3 Module/sensor power-
- Pin 4 Auxiliary power-

Female Output



IMPORTANT The maximum current that any pin on the power connectors can carry is 4 A.



ATTENTION: To comply with the CE Low Voltage Directive (LVD), this equipment and all connected I/O must be powered from a source compliant with the following:
Safety Extra Low Voltage (SELV) or Protected Extra Low Voltage (PELV).



ATTENTION: To comply with UL restrictions, this equipment must be powered from a source compliant with the following: Limited Voltage. Safety Extra Low Voltage (SELV) or Protected Extra Low Voltage (PELV).



ATTENTION: This equipment is considered Group 1, Class A industrial equipment according to IEC/CISPR 11. Without appropriate precautions, there may be difficulties with electromagnetic compatibility in residential and other environments due to conducted and radiated disturbance.

Specifications

Environmental Specifications

Attribute	Value
Temperature, operating	IEC 60068-2-1 (Test Ad, Operating Cold), IEC 60068-2-2 (Test Bd, Operating Dry Heat), IEC 60068-2-14 (Test Nb, Operating Thermal Shock): -20...60 °C (-4...140 °F)
Temperature, ambient rating (UL)	60 °C (140 °F)
Voltage, operating	20...28.8V DC
Output current, per port	500 mA
Output current, per channel	250 mA
Enclosure type rating	Meets IP65/66/67/69K

Certifications

Certification (when product is marked) ⁽¹⁾	Value
c-UR-us	UL Listed Industrial Control Equipment, certified for US and Canada. See UL File E322657.
CE	EMC Directive 2014/30/EU Directive, compliant with: EN 61326-1; Meas./Control/Lab., Industrial Requirements EN 61000-6-2; Industrial Immunity EN 61000-6-4; Industrial Emissions EN 61131-2; Programmable Controllers (Clause 8, Zone A & B)
RCM	Australian Radiocommunications Act, compliant with: AS/NZS CISPR 11; Industrial Emissions
KC	Korean Registration of Broadcasting and Communications Equipment, compliant with: Article 58-2 of Radio Waves Act, Clause 3
EtherNet/IP	ODVA conformance tested to Ethernet/IP specifications.

⁽¹⁾ See the Product Certification link at <http://www.rockwellautomation.com/products/certification/> for Declaration of Conformity, Certificates, and other certification details.

Rockwell Automation Support

Rockwell Automation provides technical information on the Web to assist you in using its products. At <http://www.rockwellautomation.com/support>, you can find technical manuals, a knowledge base of FAQs, technical and application notes, sample code and links to software service packs, and a MySupport feature that you can customize to make the best use of these tools.

For an additional level of technical phone support for installation, configuration, and troubleshooting, we offer TechConnect support programs. For more information, contact your local distributor or Rockwell Automation representative, or visit <http://www.rockwellautomation.com/support>.

Installation Assistance

If you experience a problem within the first 24 hours of installation, please review the information that's contained in this manual. You can also contact a special Customer Support number for initial help in getting your product up and running.

United States	1.440.646.3434 Monday – Friday, 8 a.m. – 5 p.m. EST
Outside United States	Please contact your local Rockwell Automation representative for any technical support issues.

New Product Satisfaction Return

Rockwell Automation tests all of its products to ensure that they are fully operational when shipped from the manufacturing facility. However, if your product is not functioning and needs to be returned, follow these procedures.

United States	Contact your distributor. You must provide a Customer Support case number (see phone number above to obtain one) to your distributor in order to complete the return process.
Outside United States	Please contact your local Rockwell Automation representative for the return procedure.

Rockwell Automation maintains current product environmental information on its website at <http://www.rockwellautomation.com/rockwellautomation/about-us/sustainability-ethics/product-environmental-compliance.page>

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