

ArmorBlock 2-Port EtherNet with Diagnostics and QuickConnect

Catalog Numbers 1732E-12X4M12QCDR, 1732E-12X4M12P5QCDR

Parts List

Your package contains one 1732E ArmorBlock™ module 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

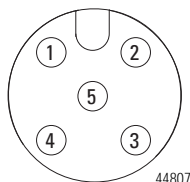
Module	Publication Number
1732E ArmorBlock 2-Port EtherNet/IP Modules with QuickConnect	1732E-IN010



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 1.13 Nm (10 lb-in.).

I/O Connectors

Micro-style 5-Pin Input Female Connector



(View into connector)

Pin 1 Sensor source voltage

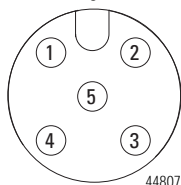
Pin 2 Input B

Pin 3 Return

Pin 4 Input A

Pin 5 PE

Micro-style 5-Pin Output Female Connector



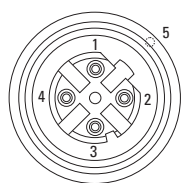
44807

(View into connector)

- Pin 1 Not used
- Pin 2 Output B
- Pin 3 Return
- Pin 4 Output A
- Pin 5 PE

EtherNet/IP Connector

D-Code Micro Network Female Connector



45793

(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

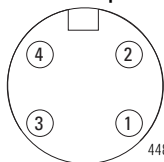
(View into connector 2)

- 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

Mini-style 4-Pin Receptacles

Male Input

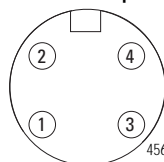


44809

(View into receptacle)

- Pin 1 Output power+
- Pin 2 Sensor/MDL power+
- Pin 3 Sensor/MDL power-
- Pin 4 Output power-

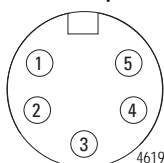
Female Output



45677

Mini-style 5-Pin Receptacles

Male Input

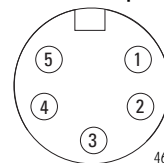


46199

(View into receptacle)

- Pin 1 Output power-
- Pin 2 Sensor/MDL power-
- Pin 3 Protective Earth
- Pin 4 Sensor/MDL power+
- Pin 5 Output power+

Female Output



46200

TIP The ground for both module power and output power are shared.

Specifications

Environmental Specifications

Attribute	Value
Temperature, operating	IEC60068-2-1 (Test Ad, Operating Cold), IEC60068-2-2, (Test Bd, Operating Dry Heat), IEC 60068-2-14 (Test Nb, Operating Thermal Shock): -20...60 °C (-4...140 °F)
Temperature, ambient, max	60 °C (140 °F)
Voltage, operating	12...30V DC
Output current, per port	0.5 A
Enclosure type rating	Meets IP65/66/67/69K (when marked), and Type 4X Indoor Use Only, with receptacle dust caps or cable termination

Certifications

Certification (when product is marked) ⁽¹⁾	Value
c-UR-us	UL Recognized Industrial Control Equipment, certified for US and Canada. See UL File E322657.
CE	European Union 2004/108/EC EMC 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)
C-Tick	Australian Radiocommunications Act, compliant with: AS/NZS CISPR 11; Industrial Emissions
EtherNet/IP	ODVA conformance tested to Ethernet/IP specifications.
KC	Korean Registration of Broadcasting and Communications Equipment, compliant with: Article 58-2 of Radio Waves Act, Clause 3

⁽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.

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Rockwell Otomasyon Ticaret A.Ş., Kar Plaza İş Merkezi E Blok Kat:6 34752 İçerenköy, İstanbul, Tel: +90 (216) 5698400

www.rockwellautomation.com

Power, Control and Information Solutions Headquarters

Americas: Rockwell Automation, 1201 South Second Street, Milwaukee, WI 53204-2496 USA, Tel: (1) 414.382.2000, Fax: (1) 414.382.4444
Europe/Middle East/Africa: Rockwell Automation, Vorstaan/Boulevard du Souverain 36, 1170 Brussels, Belgium, Tel: (32) 2 663 0600, Fax: (32) 2 663 0640
Asia Pacific: Rockwell Automation, Level 14, Core F, Cyberport 3, 100 Cyberport Road, Hong Kong, Tel: (852) 2887 4788, Fax: (852) 2508 1846

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