

# Pinout Guide for ArmorBlock 2-Port Ethernet Block

Catalog Numbers 1732E-IB16M12R, 1732E-OB16M12R, 1732E-IB16M12DR, 1732E-OB16M12DR, 1732E-16CFGM12R, 1732E-IB16M12SOEDR, 1732E-8X8M12DR

### Parts List

Your package contains one 1732E ArmorBlock module and these pinout guide wiring instructions.

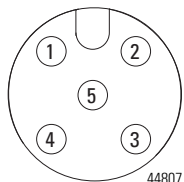
For complete installation instructions, refer to the Module Publication Number table and visit <http://literature.rockwellautomation.com>.

### Module Publication Number

Module	Publication Number
1732E ArmorBlock 2 Port Ethernet Modules	1732E-IN004

### *I/O Connectors*

#### **Micro-style 5-Pin Input Female Connector**



(View into connector)

Pin 1 Sensor source voltage

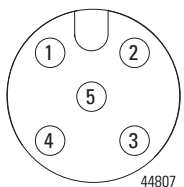
Pin 2 Input B

Pin 3 Return

Pin 4 Input A

Pin 5 PE

#### **Micro-style 5-Pin Output Female Connector**



(View into connector)

Pin 1 Not used

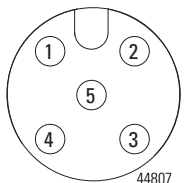
Pin 2 Output B

Pin 3 Return

Pin 4 Output A

Pin 5 PE

#### **Micro-style 5-Pin Self-configuring Connector**



(View into connector)

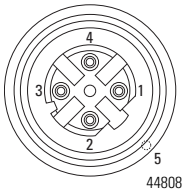
Pin 1 Sensor source voltage

Pin 2 Input B or Output B

Pin 3 Return

Pin 4 Input A or Output A

Pin 5 PE

*EtherNet/IP Connector***D-Code M12 Network Female Connector**

(View into connector)

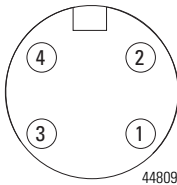
Pin 1 M12\_Tx+

Pin 2 M12\_Rx+

Pin 3 M12\_Tx-

Pin 4 M12\_Rx-

Pin 5 Connector shell shield FE

*Auxiliary Power Connector***Mini-style 4-Pin Input Male Receptacle**

(View into receptacle)

Pin 1 Output power+

Pin 2 Sensor/MDL power+

Pin 3 Sensor/MDL power-

Pin 4 Output power-

**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 in-lb).

**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	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)
Ambient temperature rating (UL)	60 °C (140 °F)
Operating voltage	12...30V DC
Output current	2.0 A – 1732E-OB16M12R 0.5 A – All other modules
Enclosure type rating	Meets IP65/66/67/69K (when marked), and NEMA 4X with receptacle dust caps or cable termination.

## Certifications

Certification (when product is marked) <sup>(1)</sup>	Value
c-UL-us	UL Listed 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.

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

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Publication 1732E-WD001D-EN-P - September 2010

PN-81365

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