



1732E ArmorBlock Dual-Port EtherNet/IP 4-Point Analog Modules

Catalog Numbers 1732E-IF4M12R, 1732E-OF4M12R, 1732E-IT4IM12R,
1732E-IR4IM12R

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://rockwellautomation.com/literature>.

Module Publication Number

Module	Publication Number
1732E ArmorBlock Dual-Port EtherNet/IP 4-Point Analog Input and Output Modules (1732E-IF4M12R, 1732E-OF4M12R)	1732E-IN006
1732E ArmorBlock Dual-Port EtherNet/IP 4-Point Thermocouple and RTD Input Modules (1732E-IT4IM12R, 1732E-IR4IM12R)	1732E-IN005



ATTENTION: Two sets of mounting holes are used to mount the module directly to a panel or machine. Mounting holes accommodate #6 (M3) pan head screws. The torque specification is 0.68 Nm (6 lb-in.).



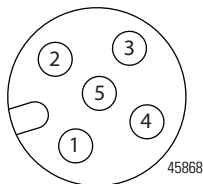
ATTENTION: To comply with the CE Low Voltage Directive (LVD), this equipment and all connected I/O must be powered from a source compliant with the following: Safety Extra Low Voltage (SELV) or Protected Extra Low Voltage (PELV).



ATTENTION: To comply with UL restrictions, this equipment must be powered from a source compliant with the following: Limited Voltage/Limited Current.

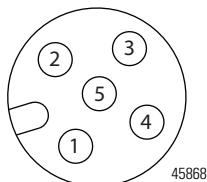
I/O Connectors Pinout Guide

Micro-style M12 5-Pin Input Female Connector – 1732E-IF4M12R



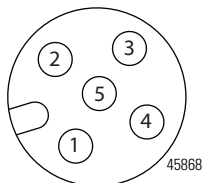
- (View into connector)
 Pin 1 Current Input +
 Pin 2 Current Common
 Pin 3 Voltage Input +
 Pin 4 Voltage Common
 Pin 5 No Connect

Micro-style M12 5-Pin Output Female Connector – 1732E-OF4M12R



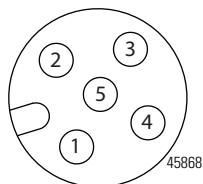
- (View into connector)
 Pin 1 Current Output +
 Pin 2 Current Common
 Pin 3 Voltage Output +
 Pin 4 Voltage Common
 Pin 5 No Connect

Micro-style M12 5-Pin Input Female Connector – 1732E-IT4IM12R

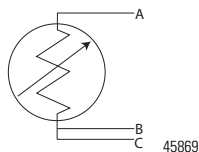


- (View into connector)
 Pin 1 CJC +
 Pin 2 TC +
 Pin 3 CJC -
 Pin 4 TC -
 Pin 5 No Connect

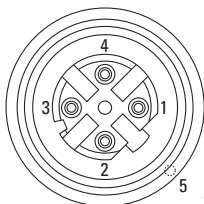
D12 Micro-style 5-Pin Input Female Connector – 1732E-IR4IM12R



- (View into connector)
 Pin 1 No Connect
 Pin 2 A
 Pin 3 B
 Pin 4 C
 Pin 5 No Connect



IMPORTANT For information on supported sensors and sensor types for the 1732E-IT4IM12R module, see the Installation Instructions for 1732E Temperature Modules, publication [1732E-IN005](#).

*Ethernet Connector Pinout Guide***D-Code M12 Micro Network Female Connector**

(View into connector)

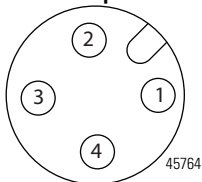
Pin 1 Tx+

Pin 2 Rx+

Pin 3 Tx-

Pin 4 Rx-

Pin 5 Shell

*Power Connectors Pinout Guide***Micro-style 4-Pin Input Male Receptacle****Male Input**

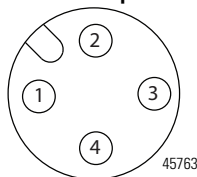
(View into receptacle)

Pin 1 Auxiliary power+

Pin 2 Module power+

Pin 3 Module power-

Pin 4 Auxiliary power-

Female Output**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, max	60 °C (140 °F)
Voltage, power, min	12 V DC
Voltage, power, max	30V DC
Power consumption	3 W @ 24V DC, typical 3.5 W, max (module unloaded)
Enclosure type rating	Meets IP65/66/67/69K (when marked)



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.

Certifications

Certification (when product is marked) ⁽¹⁾	Value
c-UR-us	UL Recognized Component 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.ab.com> for Declarations of Conformity, Certificates, and other certification details.



ATTENTION: The device meets UL Type 1 Enclosure rating.

ATTENTION: The device does not provide bonding or grounding terminal. Customer shall provide own bonding or grounding.

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