Allen-Bradley

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.
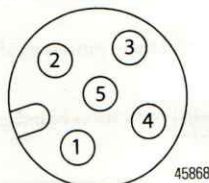
I/O Connectors Pinout Guide

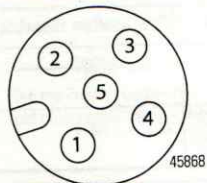### Micro-style M12 5-Pin Input Female Connector – 1732E-IF4M12R
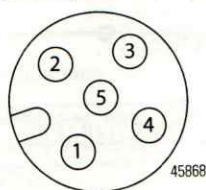
(View into connector)
Pin 1 Current Input +
Pin 2 Current Common
Pin 3 Voltage Input +
Pin 4 Voltage Common
Pin 5 No Connect

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### 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

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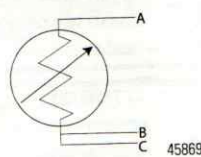### Micro-style M12 5-Pin Input Female Connector – 1732E-IT4IM12R

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

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D12 Micro-style 5-Pin Input Female Connector – 1732E-IR4IM12R
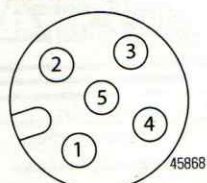
(View into connector)
Pin 1 No Connect
Pin 2 A
Pin 3 B
Pin 4 C
Pin 5 No Connect

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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
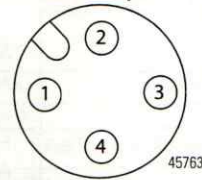
D-Code M12 Micro Network Female Connector
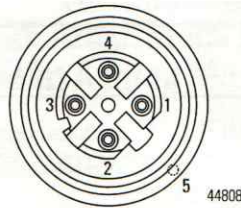
(View into connector)
Pin 1   Tx+
Pin 2   Rx+
Pin 3   Tx-
Pin 4   Rx-
Pin 5   Shell

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Power Connectors Pinout Guide

Micro-style 4-Pin Input Male Receptacle

Male Input
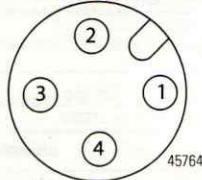
(View into receptacle)
Pin 1   Auxiliary power+
Pin 2   Module power+
Pin 3   Module power-
Pin 4   Auxiliary power-

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Female Output

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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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