



Pinout Guide for 1732 ArmorBlock Diagnostic 16-point I/O Modules, Series A

Catalog Numbers 1732D-8X81212D, -8X81212HD, -8I801212D, -IB161212D, -IBDPM12MND, -8X8M12D

Package Contents

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

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

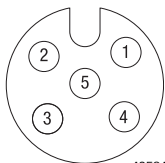
Module Publication Number

Module	Publication Number
DeviceNet 1732 ArmorBlock Network-powered 8-input Auxiliary-powered 8-output Module, Series A (cat. no. 1732-8X81212D)	1732D-IN009
DeviceNet 1732 ArmorBlock Network-powered 8-input/8-output Module, Series A (cat. no. 1732-8I801212D)	1732D-IN010
DeviceNet 1732 ArmorBlock Network-powered 8-input Auxiliary-powered 8-output Module, Series A (cat. no. 1732-8X81212DH)	1732D-IN011
DeviceNet 1732 ArmorBlock Network-powered 16-input Module, Series A (cat. no. 1732-IB161212D)	1732D-IN012
DeviceNet 1732 ArmorBlock Network Powered 16-Input Module, Series A (cat. no. 1732D-IBDPM12MND)	1732D-IN007
DeviceNet 1732 ArmorBlock Network-powered 8-input Auxiliary-powered 8-output Module, Series A (cat. no. 1732D-8X8M12D)	1732D-IN004

DeviceNet Connectors

1732 DeviceNet Micro-style

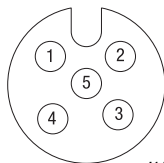
Network-in Male Connector



(view into connector)

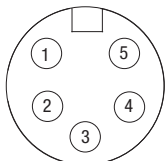
- Pin 1 Drain
- Pin 2 V+
- Pin 3 V-
- Pin 4 CAN_H
- Pin 5 CAN_L

Network-out Female Connector



1732 DeviceNet Mini-style

Network-in Male Connector

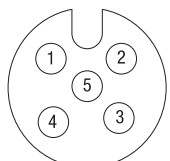


(view into connector)

- Pin 1 Drain
- Pin 2 V+
- Pin 3 V-
- Pin 4 CAN_H
- Pin 5 CAN_L

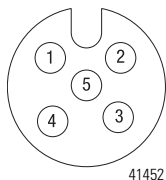
I/O Connectors

5-pin Female Input Micro-style



(view into connector)

- Pin 1 Sensor Source Voltage
- Pin 2 Input B
- Pin 3 Return
- Pin 4 Input A
- Pin 5 PE

5-pin Female Output Micro-style

(view into connector)

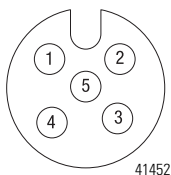
Pin 1 Not Used

Pin 2 Output B

Pin 3 Return

Pin 4 Output A

Pin 5 PE

5-pin Female Combination Micro-style

(view into connector)

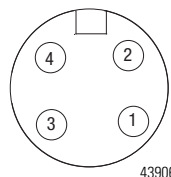
Pin 1 Sensor Source Voltage

Pin 2 Output

Pin 3 Return

Pin 4 Input

Pin 5 PE

Auxiliary Power Connector**4-pin Mini-style**

(view into connector)

Pin 1 Output Power+

Pin 2 No Connection

Pin 3 No Connection

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 #6 (M3) pan head screws. The torque specification is 0.64 Nm (6 in-lb).

ATTENTION

This equipment is considered Group 1, Class A industrial equipment according to IEC/CISPR Publication 11. Without appropriate precautions, there may be potential difficulties ensuring electromagnetic compatibility in other environments due to conducted as well as radiated disturbance.

Specifications

Environmental Specifications

Attribute	Value
Temperature, operating	-20...60 °C (-4...140 °F)
Ambient temperature rating (UL)	60 °C (140 °F)
Operating voltage	11...30V DC
Output current	1732D-8I801212D - 0.5A per output 1732D-8X81212D - 0.5A per output 1732D-8X81212HD - 1.4A per output 1732D-8X8M12D - 0.5A per output
Enclosure type rating	Meets IP65/66/67/69K (when marked), and NEMA 4X/6P with receptacle dust caps or cable termination.

Certifications

Certifications (when product is marked) ⁽¹⁾	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
DeviceNet	ODVA conformance tested to DeviceNet specifications

⁽¹⁾ See the Product Certification link at www.ab.com for Declarations of Conformity, Certificates, and other certification details.

Notes:

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Rockwell Automation Support

Rockwell Automation provides technical information on the Web to assist you in using its products. At <http://support.rockwellautomation.com>, 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://support.rockwellautomation.com>.

Installation Assistance

If you experience a problem with a hardware module 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 module up and running:

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

New Product Satisfaction Return

Rockwell 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:

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 return procedure.

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