



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

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

Parts List

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>.

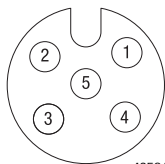
Module Publication Number

| Module | Pub. No. |
|---|-------------|
| 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

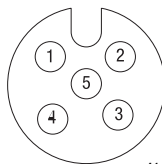
Network-in
Male Connector



(View into Connector)

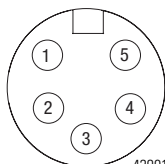
- Pin 1 Drain
- Pin 2 V+
- Pin 3 V-
- Pin 4 CAN_H
- Pin 5 CAN_L

Network-out
Female Connector



1732 DeviceNet Mini-style

Network-in
Male Connector

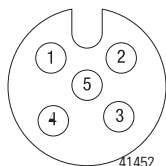


(View into Connector)

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

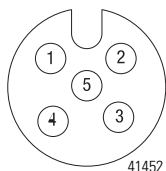
I/O Connectors

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)

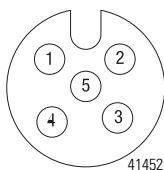
Pin 1 Not Used

Pin 2 Output B

Pin 3 Return

Pin 4 Output A

Pin 5 PE

5-pin Female Combination Micro-style

(View into Connector)

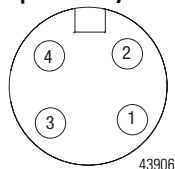
Pin 1 Sensor Source Voltage

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-

Specifications

| Attribute | Value |
|---|--|
| Operating temperature | -20...60 °C (-4...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 |
| Certifications ⁽¹⁾ (when product is marked) | CE European Union 89/336/EEC EMC Directive, compliant with: EN 61000-6-4; Industrial Emissions EN 50082-2; Industrial Immunity EN 61326; Meas./Control/Lab., Industrial Requirements EN 61000-6-2; Industrial Immunity EN 61131-2; Programmable Controllers (Clause 8, Zone A & B) C-Tick Australian Radiocommunications Act, compliant with: AS/NZS CISPR 11; Industrial Emissions ODVA ODVA conformance tested to DeviceNet specifications. |

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

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.

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