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Data Sheet
August 13, 2026

ROCKWELL / ALLEN-BRADLEY

Rockwell / Allen-Bradley 1792D-4BVT4D ArmorBlock MaXum Digital I/O Module

Key Features 4 inputs + 4 outputs, 24 Vdc, DeviceNet IP67 sealed; Y-splitter I/O; 4 M12 connectors PNP/NPN inputs; 1.0 A protected outputs Point-level short/open/no-load diagnostics Technical Specifications Model: 1792D-4BVT4D Manufacturer: Allen-Bradley / Rockwell Automation Instrument Type: ArmorBlock MaXum DeviceNet I/O Series: 1792D ArmorBlock MaXum Alias: 1792D-4BVT4D; 1792D4BVT4D Network: DeviceNet Inputs: 4, 3-wire or dry contact PNP or NPN, or 2 of 4-wire PNP/NPN On State Voltage: 10 Vdc to 25 Vdc On State Current: 2 mA min to 10 mA max Off State Voltage Max: 5 Vdc Off State Current Max: 1.5 mA Sensor Source Current: 50 mA per connection class (100 mA listed on some reseller sheets) Outputs: 4 sourcing, labeled O0 to O3 Output Current: up to 1.0 A each Module Output Current: 4.

MODEL **Rockwell / Allen-Bradley 1792D-4BVT4D**	CALIBRATION **Available on request**
CONDITION **Used**	STATUS **In stock**
RFQ / SKU **1792D-4BVT4D**	LISTING **https://aumictechlabs.com/products/1792d-4bvt4d-2/**

NIST-traceable cal · SAM registered · 30-day returns · NAICS 423690 · 811210 · 541380

This unit

The Rockwell / Allen-Bradley 1792D-4BVT4D ArmorBlock MaXum Digital I/O Module is a sealed, IP67-rated distributed I/O device engineered for on-machine mounting in harsh industrial

environments. It has four digital inputs and four digital outputs via DeviceNet communication, eliminating the need for separate control enclosures and reducing field wiring complexity. The module accepts 24V DC input and output power, delivering up to 1.0 Amp per sourcing output with self-protection against short circuits.Universal input compatibility supports 3-wire or 4-wire sinking/sourcing sensor configurations (PNP/NPN), with input voltage tolerance from 10V to 25V DC and integrated open-wire and no-load detection. NEMA 4X stainless housing withstands -25°C to +60°C operation. DeviceLogix Smart Component Technology enables local output control and point-level status diagnostics without centralized logic.Sealed M12 connectors isolate I/O and network interfaces; rotary node address switches and AutoBaud detection streamline network setup. DeviceNet supports three fixed data rates: 125 kbps (500 meters), 250 kbps (180 meters), and 500 kbps (100 meters). Status indicators provide real-time feedback via Net/Mod, Logic, Auxiliary Power, and Point LEDs.Compact dimensions (48.26 mm × 68.6 mm × 120 mm) facilitate direct machine integration with minimal footprint. Compatible with KwikLink flat media and standard round DeviceNet cabling. Y-splitter cables (ordered separately) provide I/O terminal access.Auxiliary power input accepts 10V to 30V DC for extended functionality.Technical Specifications Input Voltage: 24V DC Output Voltage: 24V DC; Auxiliary 10V to 30V DC Digital Inputs: 4 channels, universal sinking/sourcing, 10V to 25V DC range, 2mA to 10mA on-state current Digital Outputs: 4 channels, sourcing, 0.5 A to 1.0 A per channel, 1V on-state voltage drop Output Protection: Self-protected against short circuits Operating Temperature: -25°C to +60°C Housing Rating: IP67, NEMA 4X, sealed DeviceNet Data Rates: 125 kbps (500 m), 250 kbps (180 m), 500 kbps (100 m) Connectors: Sealed M12 (micro) styleKey Features Point-level diagnostics: short circuit, open wire, and no-load detection DeviceLogix Smart Component Technology for distributed logic control AutoBaud detection and rotary node address configuration Integrated status LEDs: Net/Mod, Logic, Auxiliary Power, and Point indicators Vertical or horizontal on-machine mounting Sensor source current: 100mA total per connectionTypical Applications Machine-mounted discrete I/O control in production lines Harsh-environment sensor and actuator interfacing Distributed automation with reduced panel real estateCompatibility & Integration DeviceNet protocol with KwikLink flat media and standard round cabling support Y-splitter cables enable flexible I/O terminal connections Compatible with Rockwell / Allen-Bradley control systems

1792D4BVT4D Characteristics / Specifications

PARAMETER	VALUE
Model	1792D-4BVT4D
Manufacturer	Allen-Bradley / Rockwell Automation
Instrument Type	ArmorBlock MaXum DeviceNet I/O
Series	1792D ArmorBlock MaXum
Alias	1792D-4BVT4D; 1792D4BVT4D
Network	DeviceNet
Inputs	4, 3-wire or dry contact PNP or NPN, or 2 of 4-wire PNP/NPN
On State Voltage	10 Vdc to 25 Vdc
On State Current	2 mA min to 10 mA max
Off State Voltage Max	5 Vdc
Off State Current Max	1.5 mA
Sensor Source Current	50 mA per connection class (100 mA listed on some reseller sheets)
Outputs	4 sourcing, labeled O0 to O3
Output Current	up to 1.0 A each
Module Output Current	4.0 A all outputs
Output Auxiliary Voltage	10 V to 30 V
On State Voltage Drop Max	1 V
Off State Leakage Max	1.5 mA
Surge Current	2.4 A for 10 ms, repeatable every 2 s
No Load Sense Current	0.18 A on-state
Diagnostics	short circuit, open wire, no-load, point level
Enclosure	IP67 sealed, no cabinet required
DeviceNet Baud	125 kbps at 500 m thick / 375 m flat; 250 kbps at 200 m / 150 m; 500 kbps at 100 m / 75 m
DeviceNet Voltage	11 Vdc min to 25 Vdc max

PARAMETER	VALUE
DeviceNet Current	150 mA max no sensors; up to 0.8 A with 4 sensors at 50 mA; 220 mA class with 4 sensors at 25 mA
Connectors	4 micro M12; Y splitter cables for I/O
Operating Temperature	minus 25 C to +60 C
Storage Temperature	minus 25 C to +80 C
Humidity	5 to 100 percent
Shock Operating	30 g, 11 ms
Vibration	10 g at 10 to 500 Hz IEC 68-2-6
Weight	0.31 kg class
Publication	1792D-IN012 SeriesBinstallation
Related 8BVT8D	8 in / 8 out at 0.5 A each Notes Specs from Allen-Bradley ArmorBlock MaXum 1792D-4BVT4D installation instructions (1792D-IN012) and 1792-SG001. Confirm SeriesBlocal logic, DeviceNet vs auxiliary output power wiring, and Y-cable kit.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
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Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications

Specifications

PARAMETER	VALUE
Model	1792D-4BVT4D
Manufacturer	Allen-Bradley / Rockwell Automation
Instrument Type	ArmorBlock MaXum DeviceNet I/O

Specifications

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Alias	1792D-4BVT4D; 1792D4BVT4D
Network	DeviceNet

Specifications

PARAMETER	VALUE
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On State Voltage	10 Vdc to 25 Vdc
On State Current	2 mA min to 10 mA max

Specifications

PARAMETER	VALUE
Off State Voltage Max	5 Vdc
Off State Current Max	1.5 mA
Sensor Source Current	50 mA per connection class (100 mA listed on some reseller sheets)

Specifications

PARAMETER	VALUE
Outputs	4 sourcing, labeled O0 to O3
Output Current	up to 1.0 A each
Module Output Current	4.0 A all outputs

Specifications

PARAMETER	VALUE
Output Auxiliary Voltage	10 V to 30 V
On State Voltage Drop Max	1 V
Off State Leakage Max	1.5 mA

Specifications

PARAMETER	VALUE
Surge Current	2.4 A for 10 ms, repeatable every 2 s
No Load Sense Current	0.18 A on-state
Diagnostics	short circuit, open wire, no-load, point level

Specifications

PARAMETER	VALUE
Enclosure	IP67 sealed, no cabinet required
DeviceNet Baud	125 kbps at 500 m thick / 375 m flat; 250 kbps at 200 m / 150 m; 500 kbps at 100 m / 75 m
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Publication	1792D-IN012 SeriesBinstallation

Related 8BVT8D: 8 in / 8 out at 0.5 A each

Notes

Specs from Allen-Bradley ArmorBlock MaXum 1792D-4BVT4D installation instructions (1792D-IN012) and 1792-SG001. Confirm SeriesBlocal logic, DeviceNet vs auxiliary output power wiring, and Y-cable kit.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: **sales@aumictech.com** · +1 (484) 841-9341

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