FLEX I/O 1794

# Product Data Sheet

## 1794-IB16

Sixteen Channel Digital Input Module

| DIGITAL INPUT ALLOCATION | ON-STATE VOLTAGE RANGE | ON-STATE CURRENT | MAXIMUM OFF-STATE VOLTAGE |
|---|---|---|---|
| **16 sinking channels** | **10 to 31.2 V DC, 24 V nominal** | **2 mA minimum; 8 mA nominal; 12 mA maximum** | **5 V DC** |

Allen-Bradley 1794-IB16 is a sixteen channel digital input module in the FLEX I/O 1794 range. It is used for acquiring digital sensor and switch states in compatible industrial automation systems.

## 01 VERIFIED TECHNICAL DATA

| | |
|---|---|
| Digital input allocation | 16 sinking channels |
| On-state voltage range | 10 to 31.2 V DC, 24 V nominal |
| On-state current | 2 mA minimum; 8 mA nominal; 12 mA maximum |
| Maximum off-state voltage | 5 V DC |
| Maximum off-state current | 1.5 mA |
| Nominal input impedance | 4.6 kohm |
| Continuous field isolation | 50 V, basic insulation |
| Isolation test voltage | 707 V DC for 60 s |
| Flexbus load | 30 mA at 5 V DC |
| Maximum input-module dissipation | 6.1 W at 31.2 V DC |

Values follow the applicable manufacturer documents identified on page 2.

## 02 ADDITIONAL PRODUCT DATA

| | |
|---|---|
| Keyswitch position | 2 |
| Channel indication | 16 yellow LEDs |
| Operating ambient | -20 to 55 deg C |
| Storage ambient | -40 to 85 deg C |
| Humidity tolerance | 5 to 95%, non-condensing |

## 03 DOCUMENTED USE SETTINGS

Vehicle Manufacturing and Auto Parts Processing: Automotive Assembly Process Automation.

Industrial Assembly and Component Processing: Industrial Manufacturing Process Automation.

Packaging Processing and Material Converting: Industrial Packaging Process Automation.

## 04 SYSTEM COMPATIBILITY

Integrate 1794-IB16 only in the documented FLEX I/O 1794 configuration. Match the installed interfaces and the engineered application before selecting this sixteen channel digital input module.

## 05 PRODUCT EVIDENCE

Rockwell1794-IN093I-EN-P,03/2024;1794-IB16 column,pp.10 to 11

**AMIKON PRODUCT SUPPORT**

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