

Allen-Bradley 1794-IB10XOB6 Manual

Brand	Allen-Bradley
Product Series	1746 1747
Product Type	Digital Combination I/O Module

Description

The 1794-IB10XOB6 module, produced by Allen Bradley, serves as a digital combination I/O module within the Flex I/O 1794 series. Capable of managing both inputs and outputs, this module operates on a nominal input voltage of 24 VDC, providing a versatile solution for various applications. Technical specifications for 1794-IB10XOB6

Manufacturer Allen Bradley

Series Flex I/O 1794

Part Number 1794-IB10XOB6

Product Type Digital Combination I/O Module

Nominal On-State Input Voltage 24 VDC

Input Type Current Sink Inputs

Nominal On-State Output Voltage 24 VDC

Output Type Current Source Outputs

Number of Inputs 10

Number of Outputs 6

Nominal Input Impedance 4.8 kilohms

Nominal On-State Input Current 8 mA at 24 VDC

Nominal On-State Output Current 2 A per Channel

Flexbus Current 50 mA

IP Rating None (Open)

Operating Temperature -20°C to 55°C

Description
The Allen Bradley 1794-IB10XOB6 is a digital combination I/O module belonging to the Flex I/O 1794 series. This module can seamlessly integrate into various control systems, offering a reliable means of managing both inputs and outputs within a compact framework. It includes a total of 10 current sink inputs, which operate at a nominal on-state input voltage of 24 VDC and a nominal input current of 8 mA at this voltage level. Its nominal input impedance is 4.8 kilohms, making it suitable for a diverse range of applications.

In terms of outputs, the 1794-IB10XOB6 provides 6 current source outputs that also function at a nominal output voltage of 24 VDC. Each channel is rated for a maximum output current of 2 A, allowing for efficient control of connected loads. The module also supports a Flexbus current of 50 mA, ensuring compatibility with Flex I/O systems. However, this unit does not have an IP rating, indicating that it is open and not suitable for environments requiring stringent protection against dust or moisture.

Additionally, the operational temperature range for the 1794-IB10XOB6 is specified between -20°C and 55°C, enabling it to perform reliably in various industrial settings under standard atmospheric conditions. Overall, this I/O module presents a versatile solution for diverse applications requiring effective digital input and output management.

Technical Specifications

Manufacturer Allen Bradley

Series Flex I/O 1794

Part Number 1794-IB10XOB6

Product Type Digital Combination I/O Module

Nominal On-State Input Voltage 24 VDC

Input Type Current Sink Inputs

Nominal On-State Output Voltage 24 VDC

Output Type Current Source Outputs

Number of Inputs 10

Number of Outputs 6

Nominal Input Impedance 4.8 kilohms

Nominal On-State Input Current 8 mA at 24 VDC

Nominal On-State Output Current 2 A per Channel

Flexbus Current 50 mA

IP Rating None (Open)

Operating Temperature -20°C to 55°C Description

The Allen Bradley 1794-IB10XOB6 is a digital combination I/O module belonging to the Flex I/O 1794 series. This module can seamlessly integrate into various control systems, offering a reliable means of managing both inputs and outputs within a compact framework. It includes a total of 10 current sink inputs, which operate at a nominal on-state input voltage of 24 VDC and a nominal input current of 8 mA at this voltage level. Its nominal input impedance is 4.8 kilohms, ma

www.AutoDCSTech.com