

Allen-Bradley 1734-IE8CK

The 1734-IE8CK from Allen Bradley is a high-density input module providing precise measurements in various applications. It offers eight current inputs with accurate performance and a built-in conformal coating for enhanced durability. Technical specifications for 1734-IE8CK

Manufacturer Allen Bradley

Series Point I/O 1734

Part Number 1734-IE8CK

Product Type High-Density Input Module

Conformal Coating Included

Number of Inputs 8 Current Inputs

Single-Ended Inputs Yes

Non-Isolated Inputs Yes

Input Current Ranges 0 to 20 mA, 4 to 20 mA

Absolute Accuracy at 77 degrees Fahrenheit 0.1% Full Scale

Resolution 16 Bits at 0 to 21 mA

Input Resistance/Impedance 60 Ohms

Conversion Type Delta Sigma

Data Format Signed Integer

Maximum Overload Voltage 28.8V DC

Description

The Allen Bradley 1734-IE8CK is a robust high-density input module engineered for exceptional precision in data acquisition. It contains eight current inputs, specifically designed to operate between 0 to 20 mA and 4 to 20 mA, making it suitable for various sensing applications. This input module is constructed with a conformal coating for added protection against environmental factors, ensuring reliable performance.

Configured with single-ended and non-isolated inputs, the 1734-IE8CK achieves an absolute accuracy of 0.1% full scale at 77 degrees Fahrenheit. This accuracy is critical for applications that require stringent data integrity. In terms of resolution, it provides 16 bits of granularity for currents up to 21 mA, enabling detailed measurements.

The input resistance or impedance is rated at 60 Ohms, which aligns well with many current sensing applications. It utilizes a delta-sigma conversion type, ensuring efficient data conversion. The data from this module is formatted as signed integers, facilitating straightforward integration with control systems. Furthermore, the module can manage a maximum overload voltage of 28.8V DC, protecting against voltage spikes.

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