ALLEN-BRADLEY COMPACTLOGIX

Product Data Sheet

1769-IF8

Eight-channel analog input module

ANALOG INPUT CHANNELS	VOLTAGE INPUT RANGES	CURRENT INPUT RANGES	UNIPOLAR RESOLUTION
8 differential or single-ended	**±10 V; 0-10 V; 0-5 V; 1-5 V**	**0-20 mA; 4-20 mA**	**16 bits**

Allen-Bradley 1769-IF8 is an eight-channel analog input module in the Compact I/O family. Each channel accepts differential or single-ended voltage or current signals, with selectable ranges including ±10 V, 0-10 V, 0-5 V, 1-5 V, 0-20 mA and 4-20 mA. The published resolution is 16 bits for unipolar inputs or 15 bits plus sign for bipolar inputs.

01 VERIFIED TECHNICAL DATA

Analog input channels	8 differential or single-ended
Voltage input ranges	±10 V; 0-10 V; 0-5 V; 1-5 V
Current input ranges	0-20 mA; 4-20 mA
Unipolar resolution	16 bits
Bipolar resolution	15 bits plus sign
Current draw at 5.1 V	120 mA
Current draw at 24 V	70 mA
Converter type	Delta sigma
Maximum heat dissipation	3.24 W
Rated working voltage	30 V AC / 30 V DC

Values follow the applicable manufacturer documents identified on page 2.

02 ADDITIONAL PRODUCT DATA

Voltage input impedance	220 kohm
Current input impedance	250 ohm
Voltage accuracy at 25 °C	±0.2% full scale
Current accuracy at 25 °C	±0.35% full scale
Power supply distance rating	8 modules

03 DOCUMENTED USE SETTINGS

Vehicle Assembly and Component Operations: Vehicle body assembly.

Municipal Treatment and Industrial Water Services: Drinking water treatment.

Food Processing and Beverage Packaging Operations: Food processing facilities.

04 SYSTEM COMPATIBILITY

The Rockwell 1769-IF8 accepts eight differential or single-ended analog signals in a Compact I/O assembly. Before insertion, check that the controller project defines the correct module and that the field circuits use one of the documented voltage ranges (±10 V, 0-10 V, 0-5 V or 1-5 V) or current ranges (0-20 mA or 4-20 mA). The power supply must support its 120 mA draw at 5.1 V and 70 mA draw at 24 V.

05 PRODUCT EVIDENCE

Rockwell Automation 1769 Compact I/O Modules Specifications, 1769-TD006H-EN-P

AMIKON PRODUCT SUPPORT

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