



I-87019RW



8-channel Universal Analog Input Module with High Over Voltage Protection

Model: I-87019RW

Specifications

Analog Input	
Input Channels	8 Differential
Input Type	+/- 15 mV, +/- 50 mV, +/- 100 mV, +/- 150 mV +/- 500 mV, +/- 1 V, +/- 2.5 V, +/- 5 V, +/- 10 V -20 mA ~ +20 mA, 4 ~ 20 mA, 0 ~ 20 mA (Jumper Selectable) Thermocouple Type: (J, K, T, E, R, S, B, N, C, L, M, and LDIN43710)
Resolution	16-bit
Sampling Rate	8 Samples/ sec (Total)
Accuracy	0.1% of FSR
Zero Drift	+/- 20µV/ °C
Span Drift	+/- 25 µV/ °C
Common Mode Rejection	113dB
Normal Mode Rejection	100 dB
Input Impedance	Voltage Input: >2M ohm, Current Input: 125 Ohm
Individual Channel Configurable	Yes
Open Thermocouple Detection	Yes
Overvoltage Protection	240 Vrms
4KV ESD Protection	Yes, Contact for each terminal.
Intra-module Isolation, Field to Logic	3000 Vdc
Watchdog	
Dual Watchdog	Yes, Module(1.6 sec) and Communication(Programable)
LED Display	
1 LED as Power/ Communication Indicator	
16 LEDs as High/ Low Alarm Signals	
Power	
Power Consumption	Maximum : 1.1W
Environment	
Operating Temperature	-25 to 75 °C
Storage Temperature	-30 to 75 °C
Humidity	5 to 95% RH, non-condensing
Dimensions	
30mm x 102mm x 115mm(W x L x H)	

Note : We recommend to choose I-87019PW or I-87019Z for accurate thermocouple measurement.

Thermocouple type

Type Code	Thermocouple Type	Temperature Range °C
0E	Type J	-210 ~ +760
0F	Type K	-270 ~ +1372
10	Type T	-270 ~ +400
11	Type E	-270 ~ +1000
12	Type R	0 ~ +1768
13	Type S	0 ~ +1768
14	Type B	0 ~ +1820
15	Type N	-270 ~ +1300
16	Type C	0 ~ +2320
17	Type L	-200 ~ +800
18	Type M	-200 ~ +100
19	Type L2 (DIN 43710)	-200 ~ +900

Ordering information

I-87019RW-G CR | 8-channel Universal Analog Input Module with High Voltage Protection (RoHS) Art. No. 121701