



M-7017Z

10/20-channel Analog Input Module with High Voltage Protection

Specifications

Analog Input	
Input Channels	10 differential or 20 single-ended (Note1), software selectable
Input Type	+/-500mV, +/-1V, +/-5V, +/-10V +/-20mA, 0~20mA, 4~20mA (jumper selectable)
Resolution	16-bit (Normal Mode) / 12-bit (Fast Mode)
Sampling Rate	10 samples/ second (Normal Mode) / 60 samples/ second (Fast Mode) total
Accuracy	+/-0.1% (Normal Mode) / +/-0.5% (Fast Mode) or better
Band Width	15.7Hz (Normal Mode) / 78.7Hz (Fast Mode)
Zero Drift	+/-20uV/°C
Span Drift	+/-25ppm/°C
Input Impedance	Voltage: 2M Ohms(Differential), 1M Ohms(Single-ended) /Current: 125 Ohms
Common Mode Rejection	86dB min.
Normal Mode Rejection	100dB
Over Voltage Protection	Differential: 240 Vrms, Single-ended: 150Vrms
ESD Protection	4KV Contact for each terminal, and 8KV Air for random point
EFT Protection	4KV to Power, and 1KV to RS-485
Intra-module Isolation, Field to Logic	3000 VDC
Interface	
Interface	RS-485
Format	N, 8, 1
Buad Rate	1200 ~ 115200bps
LED Display	
1 LED as Power/Communication indicator	
Power	
Input	+10 to +30 VDC
Power Consumption	2.0W
Protocol	
Support Modbus and DCON Protocol	Yes
Environment	
Operating temperature	-25 to 75°C
Storage temperature	-40 to 85°C
Humidity	5 to 95%, non-condensing