

5502

Differential analog input module

- Differential Isolated Inputs for high versatility
- Integrated transient protection with fusing
- Bipolar 13-bit resolution
- High common-mode voltage rejection and tolerance
- 3 year warranty on parts and labor



Product Data Sheet 5502

Specifications

> 5502 Differential analog input module

General

Input Points	8: voltage or current inputs, each input is switch selectable as voltage or current
Ranges	Voltage -10V to +10V, Current -20mA to +20mA
Resolution	Voltage 1.22mV, Current 4.88 μ A
Input Resistance	Voltage > 10M Ω , Current 250 Ω
Converter Type	13-bit plus sign successive approximation
Accuracy	<ul style="list-style-type: none"> +/- 0.1% of full scale at 25°C (77°F) +/- 0.2% of full scale over temperature range
Isolation	<ul style="list-style-type: none"> 550VAC from any input to the chassis or the system power supplies. 140VAC/200VDC between inputs
Common Mode Rejection	<ul style="list-style-type: none"> >96dB at 50/60Hz, >50dB at 10KHz. with 1KΩ imbalance >50dB at 1KHz. with 10KΩ imbalance
Normal Mode Rejection	>45dB at 50/60Hz
Transient Protection	<ul style="list-style-type: none"> Transient suppressors and fuses on each input 2.5kV surge withstand capability as per ANSI/IEEE, C37.90.1-1989
Over-Scale Input Capacity	12VDC maximum. Exceeding 12V will cause the fuse to blow.
Input Fuses	1/8 Amp.
Reading Update Time	170ms with 60Hz. rejection selected. 185ms with 50Hz rejection selected.
Power Requirements	5V @ 100mA
Terminations	2: 8 pole, removable terminal blocks, 12 - 22 AWG, 15A contacts
Dimensions	144mm wide x 118mm high x 44mm deep (5.65in. x 4.625in. x 1.75in.)
Mounting	7.5 x 35 DIN rail
Packaging	Corrosion resistant zinc plated steel with black enamel paint
Environment	5% RH to 95% RH, non-condensing, -40°C to 60°C (-40°F to 140°F)
Safety	Class 1, Division 2 for use in hazardous locations
Part Number	297211

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