5506
Analog input module

- 0 to 20mA / 4 to 20mA inputs
- 0 to 5V / 1 to 5V inputs
- Individual input configuration
- 5501 emulation mode for legacy systems

Schneider Electric

Product Data Sheet 5506
Specifications

>	5506 Analog input module
General	
Input Points	8
Ranges	• 0-20mA • 4-20mA • 0-5V • 1-5V
LED Indicators	8 red LEDs, indicating current input, voltage input and under or over-range signal applied
Input Configuration	Individual inputs configurable with 4mA/1V (20%) offset and for voltage/current operation when configured as a 5506. All inputs dipswitch-selectable with 4mA/1V (20%) offset and for voltage/current operation when configured to emulate a 5501 module.
Input Resistance	250 ohms - Current configuration ; 66k ohms - Voltage configuration
Resolution	15-bits over the 0-5V and 0-20mA measurement range
Type	Single-ended
Accuracy	±0.1% of full scale at 25°C (77°F) ; ±0.2% over temperature range
Transient Protection	2.5kV surge withstand capability as per ANSI/IEEE C37.90.1-1989
Normal Mode Rejection At 60 Hz with 60Hz Scanning	• 53dB with 3Hz filter • 50dB with 6Hz filter • 49dB with 11Hz filter • 45dB with 30Hz filter
Normal Mode Rejection At 50 Hz with 50Hz Scanning	• 73dB with 3Hz filter • 56dB with 6Hz filter • 52dB with 11Hz filter • 49dB with 30Hz filter
Response Time for 10% to 90% Signal Change (60Hz Scanning)	• 250ms with 3Hz filter • 130ms with 6Hz filter • 60ms with 11Hz filter • 30ms with 30Hz filter
Response Time for 10% to 90% Signal Change (50Hz Scanning)	• 300ms with 3Hz filter • 140ms with 6Hz filter • 80ms with 11Hz filter • 40ms with 30Hz filter
Over-Scale Input Capacity (without damage)	Continuous: 0.10A/14V on the 20mA inputs ; 0.05A/14V on the 5V inputs
Isolation	500Vac isolation from logic supply and chassis
5V Power Requirements	• 22mA, LEDs off • 45mA, LEDs on
11-30VDC Power Requirements	11mA
11-30VDC - Connector	Removable, 4 positions
11-30VDC - Isolation	Isolation from logic supply and chassis
Terminations	10 pole, removable terminal block,12 to 22 AWG, 15A contacts
Dimensions	2.9 inch (74 mm) wide, 4.9 inch (124 mm) high, 1.8 inch (45 mm) deep
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 70°C (-40°F to 158°F) operation, -40°C to 85°C (-40°F to 185°F) storage
Safety	• Non-Incendive Electrical Equipment for Use in Class I, Division2 • Groups A, B C and D Hazardous Locations • ATEX II 3G and IECEx: Ex nA IIC T4 per EN 60079-15, protection type n (Zone 2)
Part Number	TBUX297319

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