

SC-1608 Series

Specifications



8B Analog I/O Signal Conditioning Modules

Voltage Input Modules (3 Hz Bandwidth)		
MCC part number	Input range	Output range
SC-8B30-01	±10 mV	±5 V
SC-8B30-02	±50 mV	±5 V
SC-8B30-03	±100 mV	±5 V
SC-8B31-01	±1 V	±5 V
SC-8B31-02	±5 V	±5 V
SC-8B31-03	±10 V	±5 V
SC-8B31-07	±20 V	±5 V
SC-8B31-09	±40 V	±5 V
SC-8B31-12	±60 V	±5 V

Current Input Modules (3 Hz Bandwidth)		
MCC part number	Input range	Output range
SC-8B32-01	4 mA to 20 mA	0 V to 5 V
SC-8B32-02	0 mA to 20 mA	0 V to 5 V

Isolated True RMS Input Modules (10 kHz Bandwidth)		
MCC part number	Input range	Output range
SC-8B33-04	0 V to 150 V	0 V to 5 V
SC-8B33-05	0 V to 300 V	0 V to 5 V
SC-8B33-06	0 A to 1 A	0 V to 5 V

Linearized 2- or 3-Wire RTD Modules (3 Hz Bandwidth)		
MCC part number	Input range	Output range
SC-8B34-01	±100 °C	0 V to 5 V
SC-8B34-02	0 °C to 100 °C	0 V to 5 V
SC-8B34-03	0 °C to 200 °C	0 V to 5 V
SC-8B34-04	0 °C to 600 °C	0 V to 5 V

Linearized 4-Wire RTD Modules (3 Hz Bandwidth)		
MCC part number	Input range	Output range
SC-8B35-01	±100 °C	0 V to 5 V
SC-8B35-02	0 °C to 100 °C	0 V to 5 V
SC-8B35-03	0 °C to 200 °C	0 V to 5 V
SC-8B35-04	0 °C to 600 °C	0 V to 5 V

Strain Gage Input Modules					
MCC part number	Input range	Excitation voltage	Sensitivity	Output range	Bandwidth
SC-8B38-01	±10 mV	3.333 V	3 mV/V	±5 V	8 kHz
SC-8B38-02	±30 mV	10.0 V	3 mV/V	±5 V	8 kHz
SC-8B38-05	±20 mV	10.0 V	2 mV/V	±5 V	8 kHz
SC-8B38-31	±10 mV	3.333 V	3 mV/V	±5 V	3 Hz
SC-8B38-32	±30 mV	10.0 V	3 mV/V	±5 V	3 Hz
SC-8B38-35	±20 mV	10.0 V	2 mV/V	±5 V	3 Hz

Current Output Modules (100 Hz Bandwidth)		
MCC part number	Input range	Output range
SC-8B39-02	±5 V	4 mA to 20 mA
SC-8B39-04	±5 V	0 mA to 20 mA
SC-8B39-07	±5 V	±20 mA

SSR Digital I/O Modules

Digital Input Sensing Modules						
MCC part number	Input type	Isolation voltage	Input voltage range	Input current @ max line	Turn-on time	Turn-off time
SSR-IAC-05	AC	4000 Vrms	90-140 VAC/DC	8 mA	20 ms	20 ms
SSR-IAC-05A	High voltage AC	4000 Vrms	180-280 VAC/DC	6 mA	20 ms	20 ms
SSR-IDC-05	DC	4000 Vrms	3-32 VDC	18 mA	0.20 ms	0.40 ms
SSR-IDC-05NP	Non-polarized, AC or DC	4000 Vrms	15-32 VAC, 10-32 VDC	18 mA	5 ms	5 ms

Voltage Input Modules (1 kHz Bandwidth)		
MCC part number	Input range	Output range
SC-8B40-01	±10 mV	±5 V
SC-8B40-02	±50 mV	±5 V
SC-8B40-03	±100 mV	±5 V
SC-8B41-01	±1 V	±5 V
SC-8B41-02	±5 V	±5 V
SC-8B41-03	±10 V	±5 V
SC-8B41-07	±20 V	±5 V
SC-8B41-09	±40 V	±5 V
SC-8B41-12	±60 V	±5 V

Frequency Input Modules			
MCC part number	Input range	Output range	Bandwidth
SC-8B45-01	0 Hz to 500 Hz	0 V to 5 V	500 Hz
SC-8B45-02	0 kHz to 1 kHz	0 V to 5 V	1 kHz
SC-8B45-03	0 kHz to 2.5 kHz	0 V to 5 V	2.5 kHz
SC-8B45-04	0 kHz to 5 kHz	0 V to 5 V	5 kHz
SC-8B45-05	0 kHz to 10 kHz	0 V to 5 V	10 kHz
SC-8B45-06	0 kHz to 25 kHz	0 V to 5 V	25 kHz
SC-8B45-07	0 kHz to 50 kHz	0 V to 5 V	50 kHz
SC-8B45-08	0 kHz to 100 kHz	0 V to 5 V	100 kHz

Linearized Thermocouple Input Modules (3 Hz Bandwidth)		
MCC part number	Input range	Output range
SC-8B47-J-01	0 °C to 760 °C	0 V to 5 V
SC-8B47-J-02	-100 °C to 300 °C	0 V to 5 V
SC-8B47-J-03	0 °C to 500 °C	0 V to 5 V
SC-8B47-J-12	-100 °C to 760 °C	0 V to 5 V
SC-8B47-K-04	0 °C to 1000 °C	0 V to 5 V
SC-8B47-K-05	0 °C to 500 °C	0 V to 5 V
SC-8B47-K-13	-100 °C to 1350 °C	0 V to 5 V
SC-8B47-K-14	0 °C to 1200 °C	0 V to 5 V
SC-8B47-T-06	-100 °C to 400 °C	0 V to 5 V
SC-8B47-T-07	0 °C to 200 °C	0 V to 5 V

Voltage Output Modules (100 Hz Bandwidth)		
MCC part number	Input range	Output range
SC-8B49-02	±5 V	±5 V
SC-8B49-03	±5 V	0 V to 5 V
SC-8B49-05	±10 V	±10 V
SC-8B49-06	±10 V	0 V to 10 V

Voltage Input Modules (20 kHz Bandwidth)		
MCC part number	Input range	Output range
SC-8B50-01	±20 mV	±5 V
SC-8B50-02	±50 mV	±5 V
SC-8B50-03	±100 mV	±5 V
SC-8B51-01	±1 V	±5 V
SC-8B51-02	±5 V	±5 V
SC-8B51-03	±10 V	±5 V
SC-8B51-07	±20 V	±5 V
SC-8B51-09	±40 V	±5 V
SC-8B51-12	±60 V	±5 V

Digital Output Switching Modules						
MCC part number	Output type*	Isolation voltage	Load voltage range	Load current range	Turn-on time	Turn-off time
SSR-OAC-05	AC	4000 Vrms	24-140 VAC	0.03-3.5 A	8.33 ms	8.33 ms
SSR-OAC-05A	AC	4000 Vrms	24-280 VAC	0.03-3.5 A	8.33 ms	8.33 ms
SSR-ODC-05	DC	4000 Vrms	3-60 VDC	0.02-3.5 A	20 µs	50 µs
SSR-ODC-05A	DC	4000 Vrms	4-200 VDC	0.02-3.5 A	75 µs	750 µs

* SPST, normally open