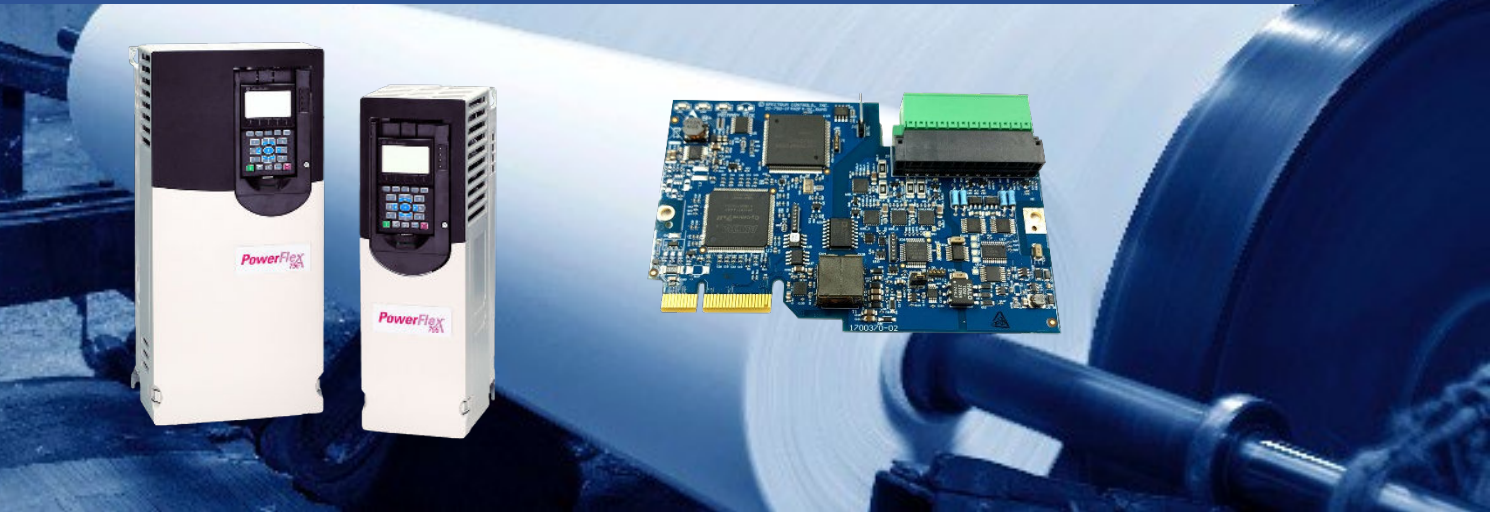


PowerFlex®

20-750-IF4XOF4-SC 8-Channel (4 IN, 4 OUT) Combination Analog Module



The PowerFlex Combination Analog Option Card extends the functionality of your drive by offering eight, configurable, analog channels (4 inputs + 4 outputs). The analog channels support voltage or current. Mix and match input types to reduce your analog I/O module count. Installation is simplified, and costs are reduced by using a common I/O within your system. Used together, inputs and outputs can be applied to traditional PID applications.

- Eight channels (4 input + 4 output): Voltage; current.
- 2 Input types (I and V) or 5 ranges each. Input and output ranges: Voltage mode: 0 V to 5 V, 0 V to 10 V, -10 V to +10 V. Current mode: 0 mA to 20 mA, 4 mA to 20 mA.
- Use any combination of input and output current or voltage ranges at one time.
- Features 250 VAC channel-to-chassis ground isolation; 10 VDC channel-to-channel isolation.
- Easy to configure using CCW programming software.
- Channel-selectable filtering for fastest analog update time.
- Lower power consumption.

20-750-IF4XOF4-SC

Specifications



Channels Per Module (Input)	8 (4 Current/Voltage inputs)
Input Ranges Voltage Current	0-5 V, 0-10 V, ± 10 V 0-20 mA, 4-20 mA
Resolution	16 bits
Advanced Features	
Filtering	6 filter frequencies (individually selectable by channel);
Input Overvoltage Protection	± 28 mV
Input Open Circuit Protection	All voltage ranges and the 4-20 mA range
Output Overvoltage Protection	± 24 VDC
Input Impedance Voltage Current	>15 Mohm Voltage, <250 ohm, Current
Channels Per Module (Output)	8 (4 Current/Voltage outputs)
Output Ranges Voltage Current	0-5 V, 0-10 V, ± 10 V 0-20 mA, 4-20 mA
Output current resolution	16 bits
Output Impedance Voltage Current	Less than 1 ohm >1 Mohm
Output settling time	Less than 1 ms to 63% of full scale with resistive load in current or voltage mode.
Output current accuracy	± 15 μ A (maximum) for both current ranges at 25 °C, ± 23 μ A (maximum) for both current ranges at 65 °C
Output voltage accuracy	± 10 mV (maximum) for 0-10 V; ± 10 V ranges at 25 °C' ± 15 mV (maximum) for 0-10 V, ± 10 V ranges at 65 °C; ± 5 mV (maximum) for 0-5 V range at 25 °C; ± 10 mV (maximum) for 0-5 V range at -20 °C to 65 °C
Update Times (ms)	524 ms at 4 Hz to 45 ms at 470 Hz
Data Formats	Floating Point for user scaling.
Electrical Isolation (continuous)	250 VAC working voltage Reinforced isolation between channels and backplane; tested at 4100 VDC for 60 seconds. 250 VAC Basic isolation between input and output channel groups and FGND, tested at 2050 VDC for 1 minute
Common Mode Rejection	> 84 dB t 50/60 Hz;
Normal Mode Rejection	72 dB (minimum) at 50 Hz and 60 Hz (4 Hz filter); 62 dB (minimum) at 50 Hz and 60 Hz (17 Hz filter)
Backplane Current Required	290 mA at 12 VDC max 50 mA at 12 VDC max
Environmental Conditions Operational Temperature Storage Temperature Relative Humidity	-5 °C -+ 65 °C (23 °F - +150 °F) -45 °C - +85 °C (-49 °F - +185 °F) 5% - 95% (non-condensing)
Certifications	UL/cUL Listed UL 61800-5-1, CE