

Active Converter, 3-Way

- Auxiliary power supply, 12...60V DC
- Current or voltage input configurable with DIP switch
- Input or output scaling

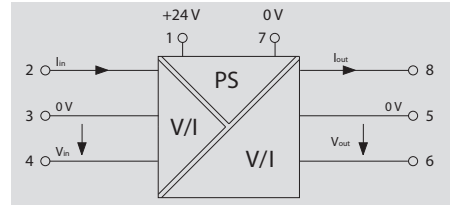
931S-C3C3J-DC



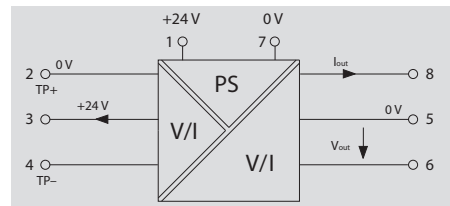
Specifications	Active Converter, 3-Way	
Standards Compliance	UL 61010B-1, CSA C22.2 No. 61010-1-2004, EN 50178:1997, EN 61000-6-1:2007, EN 61000-6-2: 2005, EN 61000-6-4:2007	
Certifications	cULus (PICQ/7.E345550), CE	
Input Ratings		
Type	Current or voltage input ★	
Input Signal Limits	0...22 mA / 0...10V	
Sensor Supply	20 mA @ 24V DC output	
Input Resistance (voltage/current)	1 MΩ / 100 Ω	
Input	Active or Passive ★	
Output Ratings		
Type	Current or voltage output ★	
Output Signal Limits	0...22 mA / 0...10V	
Accuracy	± 0.1% of end value	
Load Resistance (voltage/current)	≥ 500 Ω / ≤ 1 kΩ	
Step Response Time	< 220 ms (10...90%)	
Residual Ripple	< 20 mV	
Temperature Coefficient	≤ 0.05 % / °C	
Resolution	3.5 μA/1.76 mV per bit	
Output	Active	
General Specifications		
Supply Voltage	12...60V DC	
Power Consumption	< 2.5 W	
Operating Temperature	0 °C...+60 °C	
Storage Temperature	-25° C...+70° C	
Impulse Withstand Voltage	4kV (1.2/50 μs)	
Rated Voltage	300V _{eff}	
Isolation Voltage Input-Output	2 kV	
Surge Category	III	
Pollution Severity	2	
L x W x D (mm)	92.4 x 12.5 x 112.4	
Connection Type	Screw	
Signal Conditioner	Cat. No.	Pkg. Quantity
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★ Configurable with jumpers

Wiring possibility A (input passive)



Wiring possibility B (input active)



Connections

Terminal	Signal	
1	Signal +	Supply voltage
7	Signal -	
4	Signal +	Voltage input
3	Signal -	
2	Signal +	Current input
3	Signal -	
3	Signal +	Loop Powered Input
2	Signal -	
6	Signal +	Voltage output
5	Signal -	
8	Signal +	Current output
5	Signal -	