

# Signal Conditioners

## Current/Voltage Signal Conditioners

### Active Isolator, 3-Way

- Two conductor system
- Three port isolation
- Power supply can be cross-connected using center jumpers

### 931H-A2A2N-DC



Specifications	<b>Active Isolator, 3-Way</b>	
Wiring Diagram		
Standards Compliance	UL 508, CSA C22.2 No. 0-10, CSA C22.2 No. 14-10, EN 50178:1997, EN 61000-6-1:2007, EN 61000-6-2: 2005, EN 61000-6-3:2007, EN 61000-6-4:2007	
Certifications	cURus (NMTR2/8.E56639), CE	
<b>Input Ratings</b>		
Current	4...20mA	
Sensor	2-conductor	
Supply Voltage	16.5V / constant for 3...22 mA	
Input	Active	
<b>Output Ratings</b>		
Current	4...20 mA	
Load Impedance (voltage/current)	$\geq 10 \text{ k}\Omega / \leq 500 \Omega$	
Accuracy	$< 0.1 \%$	
Temperature Coefficient	$\leq 50 \text{ ppm/K}$	
Step Response Time	$\leq 2 \text{ ms}$	
Offset Current	$< 30 \mu\text{A}$	
Residual Ripple	$< 10 \text{ mV}$	
Output	Active	
<b>General Specifications</b>		
Supply Voltage	24V DC $\pm 15\%$	
Power Consumption	approx. 1 W	
Current Carrying Capacity of Cross Connect	$\leq 2 \text{ A}$	
Operating Temperature	0 °C...+55 °C	
Storage Temperature	-25 °C...+85 °C	
Rated Insulation Voltage	300V	
Isolation Voltage Input - Output	1.5kV <sub>eff</sub>	
Surge Category	II	
Pollution Severity	2	
Connection Type	Screw	
L x W x H (mm)	88 x 6.1 x 97.8	
Signal Conditioner	Cat. No.	Pkg. Quantity
	931H-A2A2N-DC	1

