

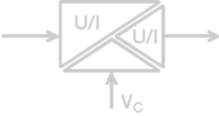

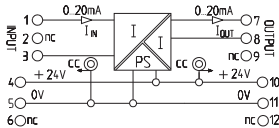
Signal Conditioners

Current/Voltage Signal Conditioners

Active Converter, 3-Way

- Signal conversion
- Electrical isolation between input/output signal and power supply
- Power supply can be cross-connected using center jumpers

931S-A1A1N-DC

					
Specifications	Active Isolator, 3-Way				
Wiring Diagram					
Standards Compliance	UL 508, CSA C22.2 No. 142-M1987, EN 50178:1997, EN 61000-6-1:2007, EN 61000-6-2: 2005, EN 61000-6-4:2007				
Certifications	cULus (NRAQ/7.E113724), CE				
Input Ratings					
Current	0(4)...20 mA				
Max Current	25 mA				
Input	Passive				
Output Ratings					
Current	0(4)...20 mA				
Load Impedance (voltage/current)	— / ≤ 600 Ω				
Step Response Time	≤ 45 ms				
Accuracy	0.2%				
Temperature Coefficient	≤ 250 ppm/K of final value				
Cut-off Frequency (-3 dB)	10 Hz				
Output	Active				
General Specifications					
Supply Voltage	24V DC ± 25%				
Power Consumption	< 1.5 W at I _{OUT} = 20 mA				
Current-Carrying Capacity of Cross-Connect	≤ 2A				
Operating Temperature	0 °C...+55 °C				
Storage Temperature	-20 °C...+85 °C				
Rated Insulation Voltage	300V				
Impulse Withstand Voltage	4kV				
Isolation Voltage Input/Output	2kV _{eff} /5 s				
Surge Category	III				
Pollution Severity	2				
Connection Type	Screw				
L x W x D (mm)	92.4 x 17.5 x 112.4				
Signal Conditioner	<table border="1" style="width: 100%;"> <tr> <td style="text-align: center;">Cat. No.</td> <td style="text-align: center;">Pkg. Quantity</td> </tr> <tr> <td style="text-align: center;">931S-A1A1N-DC</td> <td style="text-align: center;">1</td> </tr> </table>	Cat. No.	Pkg. Quantity	931S-A1A1N-DC	1
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