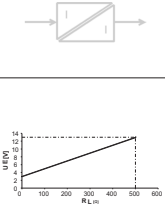


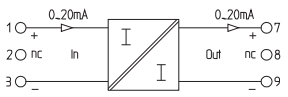
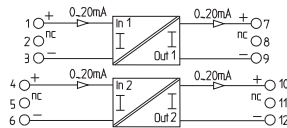


**Passive Isolator**

- Reliable isolation
- Very low power consumption

**931S-A1A1N-IP1**

**931S-A1A1N-IP2**

				
<p><b>Specifications</b></p>	<p><b>Passive Isolator, 1-channel</b></p>	<p><b>Passive Isolator, 2-channel</b></p>		
<p><b>Wiring Diagram</b></p>				
<p><b>Standards Compliance</b></p>	<p>UL 508, UL 1604, CSA C22.2 No. 142-M1987, CSA C22.2 No. 213-1987, EN 50178:1997, EN 61000-6-1:2007, EN 61000-6-2: 2005, EN 61000-6-3:2007, EN 61000-6-4:2007</p>	<p>UL 508, UL 1604, CSA C22.2 No. 142-M1987, CSA C22.2 No. 213-1987, EN 50178:1997, EN 61000-6-1:2007, EN 61000-6-2: 2005, EN 61000-6-3:2007, EN 61000-6-4:2007</p>		
<p><b>Certifications</b></p>	<p>cULus (Class 1, Div. 2, Groups A, B, C and D, NRAG/7.E10314), CSA, CE</p>	<p>cULus (Class 1, Div. 2, Groups A, B, C and D, NRAG/7.E10314), CE</p>		
<b>Input Ratings</b>				
Voltage	—			
Current	0(4)...20 mA			
Pick-up Current	<100 $\mu$ A			
Voltage Drop	approx. 3V at $R_L=0 \Omega$ , approx. 13V at $R_L=500 \Omega$ ( $I_{IN}=20mA$ )			
Max Voltage	18V			
Max Current	50 mA			
Input	Passive			
<b>Output Ratings</b>				
Voltage	—			
Current	0(4)...20 mA			
Load Impedance (voltage/current)	— / $\leq 500 \Omega$			
Temperature Coefficient	$\leq 50$ ppm/K of final value			
Residual Ripple	<20 mV			
Step Response Time	4.5 ms			
Accuracy	< 0.1% of final value			
Output	Active			
<b>General Specifications</b>				
Power Type	Input Loop Powered			
Operating Temperature	-25 °C...+70 °C			
Storage Temperature	-40 °C...+80 °C			
Rated Insulation Voltage	300V			
Impulse Withstand Voltage	6kV			
Isolation Voltage Input - Output	4kV/1 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	Cat. No.	Pkg. Quantity	Cat. No.	Pkg. Quantity
	<b>931S-A1A1N-IP1</b>	1	<b>931S-A1A1N-IP2</b>	1