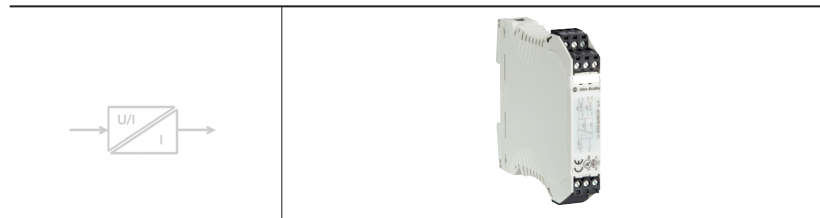


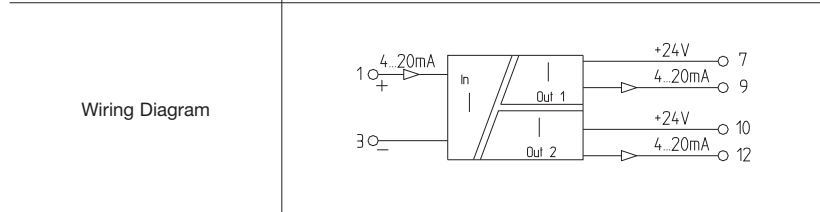
**Passive Isolator, Splitter**

- Electrical isolation
- Input and output current loop feed
- Very low power consumption
- No callibration necessary

**931S-A2A5N-OP**

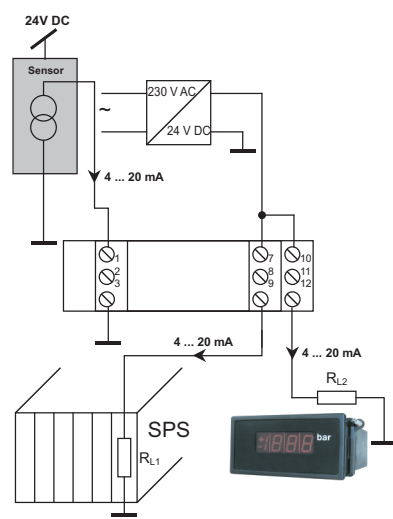


Specifications **Passive Isolator, Splitter**



Standards Compliance  
UL 508, UL 1604, UL 60079-15, CSA E60079-15:02, CSA C22.2 No. 213-1987, CSA C22.2 No. 142-M1987, EN 50178:1997, EN 60079-0:2006, EN 60079-15:2005, EN 61000-6-1:2007, EN 61000-6-2: 2005, EN 61000-6-3:2007, EN 61000-6-4:2007

Certifications  
cULus (Class 1, Div. 2/Zone 2, Groups A, B, C and D, NRAG/7.E10314 and NWGD/7.E10314 ), CE, ATEX (Class 1, Zone 2, Demko 09ATEX 0929065X)



Input Ratings	
Current	4...20 mA
Max Current	40 mA
Voltage Drop	3.8V
Input	Passive

Output Ratings	
Current	2 x 4...20 mA
Output Signal Limit	approx. 31 mA
Load Impedance (voltage/current)	— / $R_L = (U_B - 12 V) / 20 \text{ mA}$ e.g. 600 $\Omega$ at 24 V
Accuracy	Typical 0.1%, max. 0.2%
Temperature Coefficient	$\leq 150 \text{ ppm/K}$
Step Response Time	< 20 ms
Cut-off Frequency (-3 dB)	30 Hz
Output	Passive

General Specifications	
Supply Voltage	min. 12V DC, max. 30V DC
Power Type	Output Loop Powered
Operating Temperature	0 °C...+55 °C
Storage Temperature	-20 °C...+85 °C
Rated Insulation Voltage	300V
Impulse Withstand Voltage	4kV
Isolation Voltage Input - Output	4kV <sub>eff</sub> /5s
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
	931S-A2A5N-OP	1