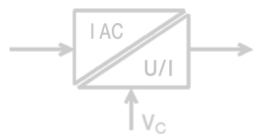


Signal Conditioners

Line-Monitoring Signal Conditioners

Active Converter, Monitoring

931S-A3C2D-DC



Specifications	Active Converter, Monitoring
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 61000-6-3:2007, EN 61000-6-4:2007
Certifications	cULus (NRAQ/7.E113724), CE

Input	Switch							
	1	2	3	4	5	6	7	8
1 Aa	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>					
5 Aa	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>					
10 Aa	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					

Output	Switch							
	1	2	3	4	5	6	7	8
0...10V				<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
0...20 mA				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4...20 mA				<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

■ = on
□ = off

Input Ratings		
Current	0...1 A AC/ 0...5 A AC/ 0...10 A AC	
Frequency	50...60 Hz	
Max Current	100 A for 1 s	
Voltage of Measuring Circuit	250 V AC	
Sensor	Transforming (internally)	
Input	Passive	
Output Ratings		
Voltage	0...10V	
Current	0...20 mA / 4...20 mA	
Load Impedance (voltage/current)	≥ 1 kΩ / ≤ 600 Ω	
Step Response Time	Typically 700 ms	
Temperature Coefficient	≤ 200 ppm/ K	
Accuracy	0.5% FSR	
Offset Current / Voltage	max. 100 μA/ max. 0.05V	
Status Indicator	LED ON: OK; FLASHING: signal out of range; LED OFF: Error	
Output	Active	
General Specifications		
Supply Voltage	24V DC ± 10 %	
Current Consumption	40 mA at I _{OUT} = 20 mA	
Current-carrying Capacity of Cross-Connect	≤ 2 A	
Operating Temperature	0 °C...+50 °C	
Storage Temperature	-20 °C...+70 °C	
Default Settings	0...5 A AC, 4...20 mA	
Rated Insulation Voltage	300V	
Impulse Withstand Voltage	6kV	
Isolation Voltage Input - Output	4kV _{eff} / 5 s	
Surge Category	III	
Pollution Severity	2	
Connection Type	Screw	
L x W x D (mm)	72 x 22.5 x 92.4	
Signal Conditioner	Cat. No.	Pkg. Quantity
	931S-A3C2D-DC	1

