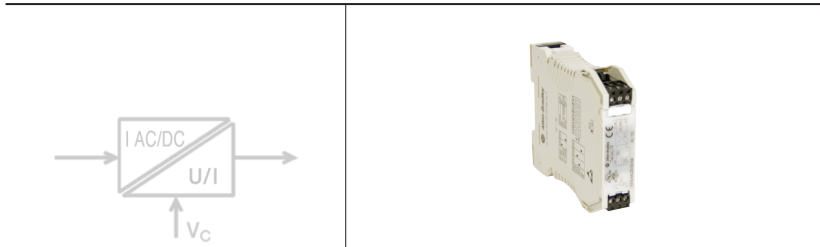


**Active Isolator, Half-Effect Current Monitoring**

- Input/output electrically isolated
- Input and output ranges adjustable using DIP switch
- No calibration necessary

**931S-A4C2D-DCHALL**



Specifications	<b>Active Isolator, Half-Effect Monitoring</b>
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

Output	Switch				
	1	2	3	4	5
0...10V			■	□	
0...20 mA			□	□	
4...20 mA			□	■	

■ = on  
 □ = off

Input Ratings		
Current	0...20 A AC/DC / 0...25 A AC/DC / 0...30 A AC/DC	
Frequency	0...2 kHz (true RMS to DC converter)	
Voltage of Measuring Circuit	400V AC, >400V AC depends on conductor insulation	
Sensor	Hall sensor (internal)	
Diameter of Entry	8 mm	
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	≤ 650 ppm/ K	
Accuracy	1% FSR	
Offset Current / Voltage	max. 150 μA / max. 0.08V	
Status Indicator	LED ON: OK; FLASHING: signal out of range; LED OFF: Error	
Output	Active	
General Specifications		
Supply Voltage	24V DC ± 10 %	
Current Consumption	50 mA at I <sub>OUT</sub> = 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...25 A, 4...20 mA	
Rated Insulation Voltage	300V	
Impulse Withstand Voltage	6kV	
Isolation Voltage Input - Output	4kV <sub>eff</sub> / 5 s	
Surge Category	III	
Pollution Severity	2	
Connection Type	Screw	
L x W x D (mm)	92.4 x 22.5 x 112.4	
Signal Conditioner	Cat. No.	Pkg. Quantity
	931S-A4C2D-DCHALL	1