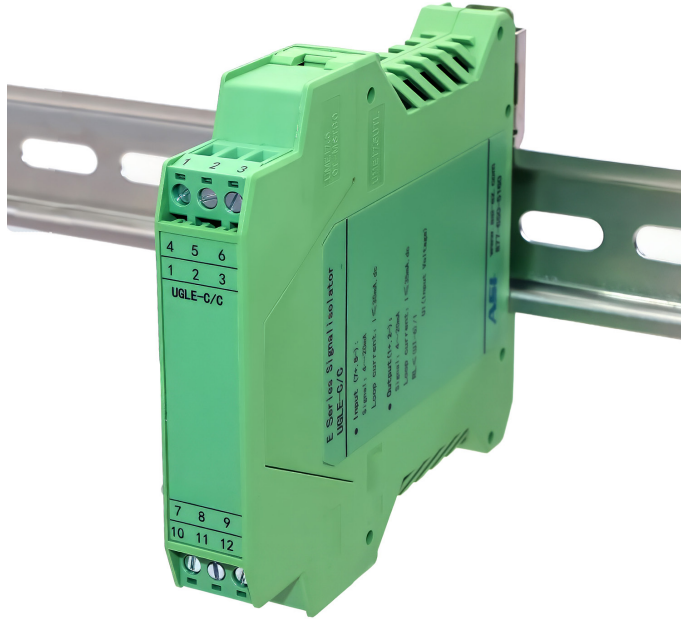




The ASI451129 4-20mA Signal Isolator with 1 Channel is designed for high-accuracy signal transmission in industrial automation systems. ASI451129 is fully isolated, preventing ground loops, reducing electrical noise, and ensuring interference-free operation. Ideal for process control, PLC systems, and SCADA applications. DIN rail mounting allows quick installation, making it a cost-effective alternative to Weidmüller and Phoenix Contact solutions.

Key Features & Benefits:

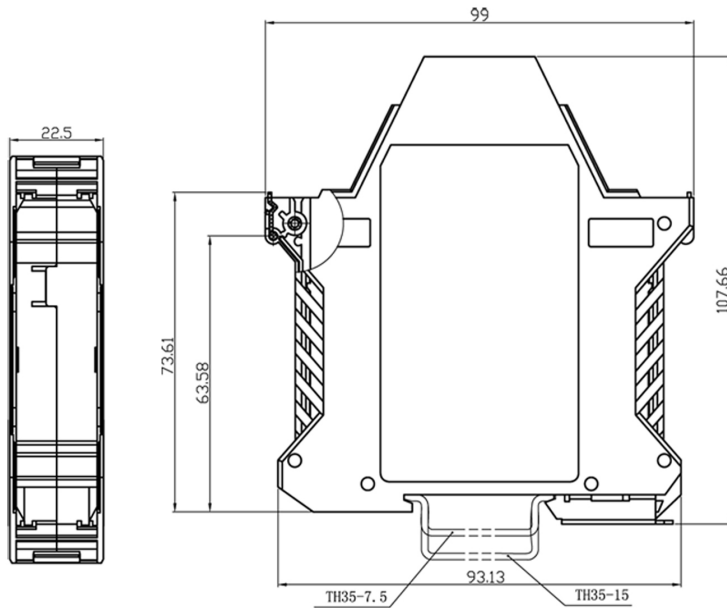
- Prevents Ground Loops & Signal Noise – Ensures clean, interference-free signal transmission for precise process control.
- High Accuracy & Fast Response Time – Maintains precise signal integrity, ensuring reliable monitoring and automation.
- DIN Rail Mount for Easy Installation – Compact, space-saving design for seamless control panel integration.
- Industrial-Grade Construction – Built to withstand harsh electrical environments with superior durability.
- Multiple Channel Options Available – Choose 1-channel, 2-channel independent, or 2-channel 3-way isolation models to fit your application.
- Cost-Effective Alternative to Premium Brands – Delivers the same high-performance features as Weidmüller, Phoenix Contact, and Industrial Control Direct at a better value.

1-Channel, 2-Way Isolation UGLE-C/C	ASI451129
Dimensions	
Depth/Width/Height	99 x 17.5 x 114 mm
Input	
Input Signal	4-20mA
Output	
Output Signal	4-20mA
Load Resistance	$RL \leq (U_i - 6)/0.02$
Technical Information	
Power Supply	A Separate Power Supply (20-30V DC $\pm$ 10%) is required for non-loop powered sensors.
Output Accuracy (20° C)	0.2% FS
Temperature Drift (-20°~+60 °C)	0.01% FS/10° C
Response Time	$\leq 5\text{mS}$
Insulation Strength	1500 Vac; 1 min
Insulation Resistance	$\leq 100\text{M } \Omega$
Electromagnetic Compatibility	GB/T 18268 (IEC 61326-1)
Environment Temperature	-20° ~ +60 °C

Additional Photos



Drawings/Diagrams



**Basic Circuit Diagram
UGLE-C/C**

