

ASW230 Single Channel Loop Powered Signal Isolator

- Suitable for use with SIL1, SIL2 and SIL3 rated (EN61508) Safety Instrumented System (SIS) Loop applications
- Compact Design - Only 22.5mm along the length of the rail
- Non-Smart / Non-uProcessor based, Type A instrument
- Standard AMELEC 10 Year Warranty
- Suitable for TS35 Top-Hat DIN Rail Mounting

Description

The ASW230 is used in applications where an isolated signal is required and the only power available is that provided by the existing loop.

Technical Specification (per channel)

Input Current:	-50 to 50 mA
Full Scale Volt Drop:	2.5V (+Output load voltage drop)
Isolation:	1000V RMS Input/Output
Accuracy/Linearity:	0.1%
10-90% Time constant:	50mS

General Specification

Optimum operating conditions

Input Current:	0-20mA @ 24V
Output Current:	0-20mA
Output resistance:	0-600 ohms

Maximum Transient Conditions

Surge Voltage:	1.5kV, 50 microS pulse
Surge Transient:	10kV/microS
Overload Capacity:	+/- 50mA Input Current

Environmental Conditions

Storage Temperature:	-40°C to +70°C
Operating Ambient:	-15°C to +60°C
Relative Humidity:	5 to 95% RH (Non-Condensing)
EMC:	2014/30/EU, EN 61326-1:2013 (Controlled EM)

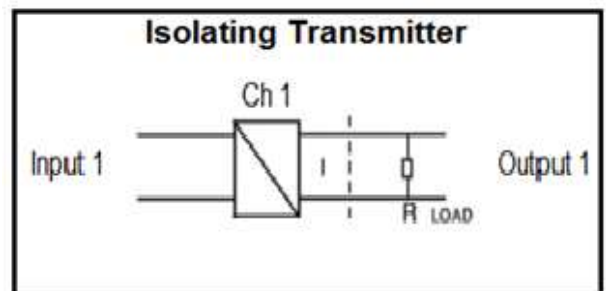
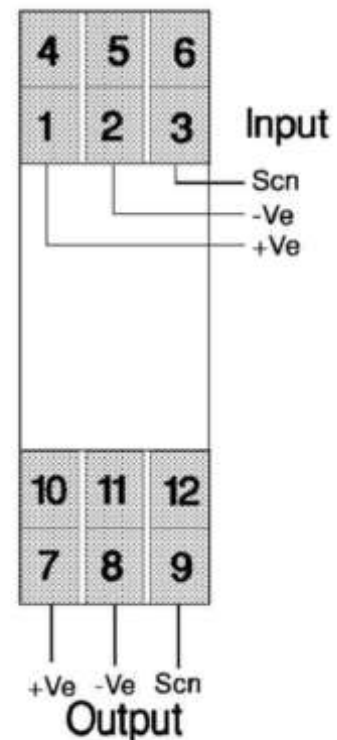
Dimensions

22.5w x 75h x 110d mm

Mounting

Din Rail (TS35)

WIRING



NOTES:

1. The device is protected against reverse polarity
2. The ASW230 output drive capability is 2.5V less than the voltage available in the original current loop

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