

ADM231X-8 Multi-Output Signal Isolator / Splitter

- Suitable for SIL 1 & SIL 2 rated (IEC61508) Safety Loop applications, as 1oo1 architecture (HFT:0)
- Non-Smart/Non-uProcessor based, Type A instrument
- Supply voltage options: 24Vdc / 48Vdc ($\pm 10\%$) as Std
- AMELEC Standard 10 year warranty

Technical Specifications

Input

Any current or voltage drive (DC) that can be terminated in a PI network to produce a 400mV span.

Output

Up to 8 isolated Outputs available. Any standard process current or voltage ranges may be specified for each;
Current source up to 20mA @12V
Voltage source up to 10V @20mA max

Isolation

1000V RMS Input/Output-Outputs)/Supply/Earth

Accuracy/Linearity

Class A ($< \pm 0.1\%$ span)

Dimensions

152w x 81h x 137d (mm)

Environmental Conditions

Storage Temperature: -40 to $+70^{\circ}\text{C}$

Operating Ambient: -15 to $+55^{\circ}\text{C}$

Relative Humidity: 5 – 95% RH (Non-condensing)

EMC: 2014/30/EU, EN 61326-1:2013 (Controlled EM)

Typical Input

Current: 4-20mA (Passive port, impedance 20Ω)

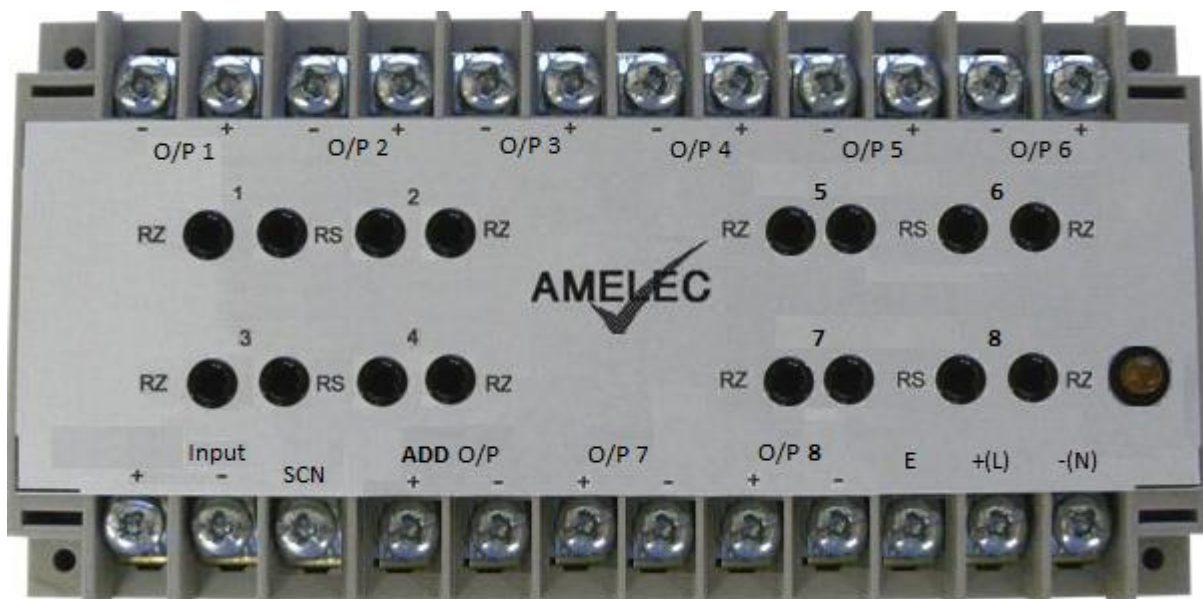
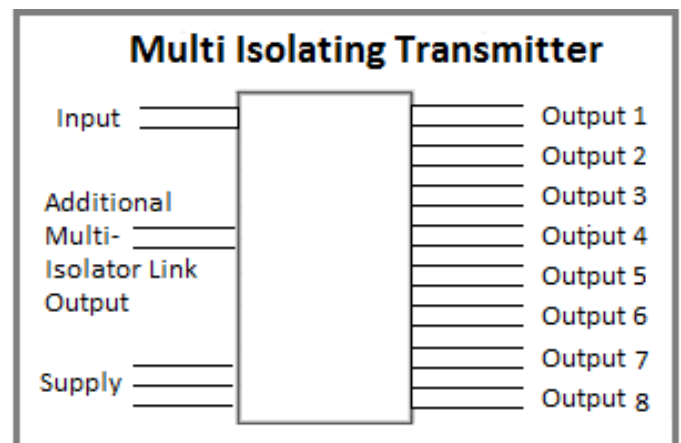
Voltage: 1-5Vdc or 0-10Vdc (impedance $1M\Omega$)

Mounting

Din Rail (TS35)

Note

In addition to these 8 x isolated output channels, It is possible to connect to the input of further multi-output signal splitter units, via the non-isolated 'ADD O/P' port terminals.



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