

ADM231X-4 Multi Output Signal Isolator/Splitter

- Suitable for SIL 1, SIL 2 & SIL 3 rated (EN61508) Safety Instrumented System (SIS) loop applications
- Non-Smart / Non-uProcessor based, Type A instrument
- Supply voltage options: 24Vdc±10%, 115Vac/230Vac±20%
- AMELEC Standard 10 year warranty

Technical Specifications

Input

Any current or voltage (DC) signal that can be terminated in a PI network to produce a 400mV span, Passive/Sink port as std. (Active/Source port with integrated two-wire input loop 24Vdc@22mA Excitation available - option 'M')

Outputs

Up to 4 process current or voltage signal Outputs available, Active/Source ports as std. Any Current range up to 20mA @12V, or Voltage source up to 10V @20mA max. (Passive output ports available if required, 28Vdc max external)

Isolation

1000V RMS Input/Outputs-Outputs/Supply

Mounting / Dimensions

Din Rail (TS35) / Enclosure: 152w x 81h x 137d mm

Environmental Conditions

Storage Temperature: -40 to +70°C
 Operating Ambient: -15 to +55°C
 Relative Humidity: 5 – 95% RH (Non-Condensing)
 EMC: 2014/30/EU, EN 61326-1:2013 (Controlled EM)

Input Load / Output Drive

Typical Input

Current: 0-20mA / 4-20mA, 20Ω impedance
 Voltage: 1-5Vdc / 0-10Vdc, 1MΩ impedance

Typical Outputs

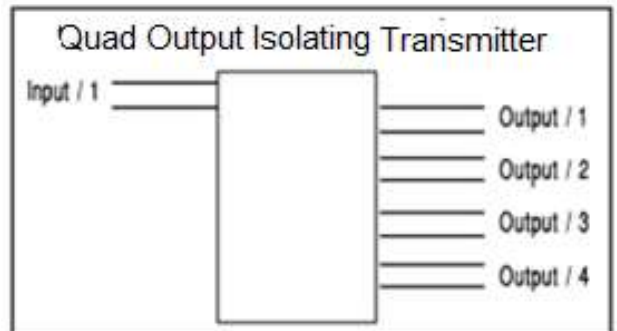
Current: 0/4-20mA, max loads 500Ω
 Voltage: 0-10Vdc, min loads 500Ω

Accuracy/Linearity: <±0.1% span

Input O/C response: Downscale drive as std. (O/C Upscale drive option 'X' available)

Note

it is possible to also incorporate a Trip function within this enclosure.



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