

## ADM231X-5 Multi Output Signal Isolator / Splitter

- Suitable for SIL 1, SIL 2 & SIL 3 rated (EN 61508-2) 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 5 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/Earth

#### 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.

