

AEC230XM-3Wire input Process Signal Isolator

- Suitable for combinations of Process I/V Inputs & Outputs
- True universal AC/DC supply voltage 21V through 265V AC/DC

Technical Specifications

Input

The input signal range is 0-5Vdc (impedance 1M Ω) as std. Other Voltage or Current ranges are available on request.

Loop Excitation

5Vdc @5mA

Output

The output signal range is 4-20mA (Active port, into 650 Ω max load) as std, with other ranges available on request. The current source can be up to 20mA with a drive voltage of 13V. The voltage source can be up to 10V's, max drive 3mA. Other Typical Output ranges include; 0-10mA, 0-20mA, 1-5mA, 0-1V, 0-2V, 0.4-2V, 0-5V, 0-10Vdc, 1-5V, 2-10Vdc.

The mA output is configured as an Active/Source port as std. Passive/Sink port option is available on request.

Performance

Response time: <250mS (0-100% input step change)
Input O/C response: Downscale drive
Accuracy/Linearity: < $\pm 0.1\%$ span
Isolation: 1000V RMS Input/Output/Supply
Supply: Universal 21V up to 265V (AC or DC)
Typical Burden on 24Vdc supply: <1.3W
Typical Burden on AC supply range: <3W

Environmental Conditions

Storage Temperature: -20°C to +70°C
Operating Ambient: -16°C to +55°C
Relative Humidity: 5 – 95% RH (Non-condensing)
EMC: 2014/30/EU , EN 61326-1:2013 (Controlled EM)

Dimensions & Mounting

22.5w x 75h x 105d mm enclosure for Din Rail (TS35)

