

AEC16MUX 16 Channel Multiplexer

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

Technical Specifications

Inputs

Suitable for any dc mA inputs. Up to 16 Inputs.
Input impedance for current: <150 ohms.
Typical Input: 4-20mA

Input Selection

4 Bit address logic.
1 Bit Logic address for Enable (Low) / Disable (High)
Logic Low = <0.4V
Logic High = >5.5V to 10V max
Input Impedance: >10K ohms

Analogue Output

Repeat of input or signal converted to any Vdc or mA dc.
Voltage up to 12Vdc @ 22mA
Current up to 22mA @ 12V

Isolation

1000V (Inputs)/Output/Supply

Application:

The AEC16MUX can be used to multiplex a number of analogue signals into PLCs and processor based data gathering. The AEC16MUX is a user friendly 16 channel multiplexer, taking sixteen inputs and giving one analogue output. The span and zero 15 turn potentiometers can be used to calibrate the output. The channel is selected by a 4 bit address and 1 bit enable / disable. By connecting address logic in parallel with other AEC16MUX and adding extra 1 bit enable/disable line per unit, several units can be cascaded to increase channel capacity.

Power Supply

24Vdc $\pm 2.5V$
Power Consumption: <3VA

Indicators

1 x Yellow LED for Power Indication
16 x Green LED's for Channel selected Indication

Performance

Accuracy / Linearity: < $\pm 0.1\%$
Response time to 0.1% of span: <100 μ S

Environmental Conditions

Storage Temperature: -20°C to +70°C
Operating Ambient: 0°C to +55°C
Relative Humidity: 5% to 95% RH

Housing

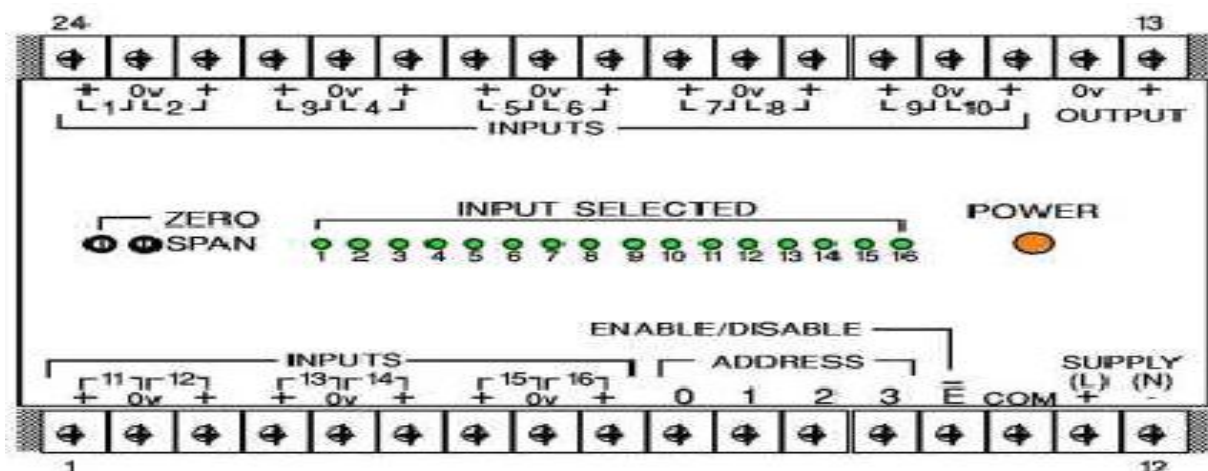
DIN Rail mounting Plastic polycarbonate.

Dimension

90w x 75h x 108d (mm)

Weight

<0.5 Kg



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