



GT-3464

4 analog inputs

0~5 / 1~5 / 0~10 V

16 bit resolution

10pt removable terminal block

Facts

General description

| | |
|------------------------|---|
| Article number | 100-8144 |
| Warranty | Up to 2 years |
| Article status | Active |
| Shock operating | IEC 60068-2-27 (15G) |
| Vibration resistance | Sine vibration (based on IEC 60068-2-6), 5 ~ 25 Hz: $\pm 1.6\text{mm}$, 25 ~ 300 Hz: 4G, Sweep rate: 1 octave/min., 20 cycles, Random vibration (based on IEC 60068-2-64), 10 ~ 40 Hz: $0.0125\text{g}^2/\text{Hz}$, 40 ~ 100 Hz: $0.0125 \rightarrow 0.002\text{g}^2/\text{Hz}$, 100 ~ 500 Hz: $0.002 \text{g}^2/\text{Hz}$, 500 ~ 2000 Hz: $0.002 \rightarrow 1.3 \times 10^{-4}\text{g}^2/\text{Hz}$, Test time: 1hrs for each test |
| Industrial emissions | EN 61000-6-4/A11: 2011 |
| Industrial immunity | EN 61000-6-2: 2019 |
| Product certifications | Horizontal, Vertical CE, UL, cUL, FCC, RoHS, China RoHS, Reach |
| Power dissipation | Max. 25 mA @ 5 VDC |
| Isolation | I/O to Logic: Photocoupler isolation, I/O to Field Power: Non-Isolation |
| Field power | Nominal supply voltage: 24 VDC, Voltage range: 60°C: 18~32 VDC, 70°C: 18~26.4 VDC |
| Weight | 60 g |
| Module size | 12x99x70 mm |

Environmental

| | |
|-----------------------|------------------------|
| Mounting | 35mm DIN rail |
| Operating temperature | -20 ~ 60°C |
| Storage temperature | -40 ~ 85°C |
| UL temperature | -20 ~ 60°C |
| Relative humidity | 5 ~ 90% non-condensing |

Analog input module specifications

| | |
|----------------------|---|
| Calibration | Not required |
| Common type | 4 COM, field power 0V (AGND) |
| Conversion time | ≤ 0.35 ms, all channels |
| Data format | 16 bit integer (2's complement) |
| Diagnostic | Diagnostic, Field power OFF: all LEDs blinking, Field power ON: LED OFF < 0.5% (max. input value), Field power ON: LED ON > 0.5% (max. input value) |
| Indicators | 4 green input status |
| Input current range | 0 ~ 5 / 1 ~ 5 / 0 ~ 10V |
| Input impedance | 500 kΩ |
| Inputs per module | 4 channels single ended, non-isolated between channels |
| Module accuracy | ±0.1% full scale @ 25°C ambient, ±0.3% full scale @ -40°C, 70°C |
| Resolution in ranges | 16 bit: 0.15 mV/bit (0 ~ 5 V), 0.12 mV/bit (1 ~ 5 V), 0.31 mV/bit (0 ~ 10 V) |

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