



GT-3914

4 analog inputs

0~20 / 4~20 / -20~-20 mA

12 bit resolution

Differential (non-isolated between channels)

10pt removable terminal block

Facts

General description

| | |
|------------------------|---|
| Article number | 100-8048 |
| 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 | Horisontal, Vertical CE, UL, cUL, FCC, RoHS, China RoHS, Reach |
| Power dissipation | Max. 30 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 |
| Data format | 16 bit integer (2's complement) |
| Indicators | 4 green input status |
| Input impedance | 121.5 Ω |
| Inputs per module | 4 channels |
| Module accuracy | $\pm 0.1\%$ Full Scale @ 25°C, $\pm 0.3\%$ Full Scale @ -40°C, 70°C |
| Resolution in ranges | 12 bit: 4.88 uA/bit(0~20 mA), 12 bit: 3.91 uA/bit(4~20 mA), 12 bit: 9.77 uA/bit(-20~20 mA) |

People & Technology. Connected.

We are a people company. Our experienced, skilled and passionate people empower you to meet your challenges through best-in-class, user-friendly solutions. We are a technology company. We help you optimize processes through our software, hardware and services, and through our support. Connecting people and technologies gives you the means to accomplish your goals and ambitions, and gain a competitive edge in today's digitalized world.

Beijer Electronics, Inc.
850 South 3600 West, Suite C
Salt Lake City, UT 84104
USA

Sales: +1 801-708-6631 Support: +1 801-708-6690 (tel:Sales: +1 801-708-6631 Support: +1 801-708-6690)
sales.americas@beijerelectronics.com (mailto:sales.americas@beijerelectronics.com)