



GT-349F

16 analog inputs

0-5 / 1-5 / 0-10 V

16 bit resolution

18pt removable terminal block

Facts

General description

Article number	100-8148
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. 210 mA @ 5 VDC, 0 mA @ 24 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	12x109x70 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 Common, Field Power 0V is Common(AGND)
Conversion time	$\leq 1.3 \text{ ms}$, all channels
Data format	16 bit integer (2's complement)
Indicators	1 green G-bus status
Input current range	0 ~ 5 / 1 ~ 5 / 0 ~ 10V
Input impedance	500 k Ω
Inputs per module	16 channels single ended, non-isolated between channels
Module accuracy	$\pm 0.1\%$ Full Scale @ 25°C ambient, $\pm 0.3\%$ Full Scale @ -40°C~70°C
Resolution in ranges	16 bit: 0.98mV/bit (0 ~ 5V), 2.44mV/bit (1 ~ 5V), 1.22mV/bit (0 ~ 10V)

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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)