

GT-5102

High speed counter

2 channels

Encoder Input voltage: 5VDC

Up to 750kHz

10pt removable terminal block

Facts

General description

Article number	100-8029
Warranty	2 year
Article status	Active
Shock operating	IEC 60068-2-27 (15G)
Vibration resistance	Sine vibration (based on IEC 60068-2-6), 5 ~ 25Hz: $\pm 1.6\text{mm}$, 25 ~ 300Hz: 4G, Sweep rate: 1 octave/min., 20 cycles, Random vibration (based on IEC 60068-2-64), 10 ~ 40Hz: $0.0125\text{g}^2/\text{Hz}$, 40 ~ 100Hz: $0.0125 \rightarrow 0.002\text{g}^2/\text{Hz}$, 100 ~ 500Hz: $0.002 \text{g}^2/\text{Hz}$, 500 ~ 2000Hz: $0.002 \rightarrow 1.3 \times 10^{-4}\text{g}^2/\text{Hz}$, Test time: 1hrs for each test
Industrial emissions	EN 61000-6-4/A11: 2011
Industrial immunity	EN 61000-6-2:2005
Product certifications	Horizontal, Vertical CE, UL, FCC, RoHS, China RoHS, Reach
Power dissipation	Max. 70mA @ 5VDC
Isolation	I/O to Logic: Photocoupler isolation, I/O to Field Power: Non-Isolation
Field power	Not used. Field power bypassed to next expansion module.
Weight	60g
Module size	12x99x70mm

Communication module specification


Transfer channels	2 Channel, - Encoder, High Speed Counter, Frequency measurement Pulse width & Period measurement
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Counter module specifications

Counter size	32bit-wide/Channel
Counting mode	1-Input Mode: Up, Down, 2-Input Mode: Encoder 4x, Up/Inhibit, Up/Reset, Down/Inhibit, Down/Reset, UP/Down, Clock/Direction,, Frequency Measurement,, Pulse Width & Period measurement
Indicators	4 Green Terminal Input LEDs
Input current	13mA @ 5.2VDC
Input frequency	0~300kHz Count Mode, 0~750kHz Encoder Mode
Input voltage	5VDC Nominal (maximum 5.2VDC)
Max OFF state voltage	$\leq 2.0\text{VDC}$
Min ON state voltage	$\geq 2.1\text{VDC}$
Number of channels	2 Channel, - Encoder, High Speed Counter, Frequency measurement Pulse width & Period measurement

Environmental

Mounting	35mm DIN rail
Operating temperature	-40 ~ 70°C, Degraded performance > 60°C
Storage temperature	-40 ~ 85°C
UL temperature	-20 ~ 60°C
Relative humidity	5 ~ 90% non-condensing

The pixel