



GT-5142

High speed counter

2 channels

Encoder voltage: 5 - 24 VDC

Up to 750 kHz

18pt removable terminal block

Facts

General description

Article number	100-8316
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. 120 mA @ 5 VDC
Isolation	I/O to logic: Photocoupler isolation
Field power	Supply voltage: 24 VDC nominal, Voltage range: 15 - 28.8 VDC, Power dissipation: 15 mA @ 24 VDC
Weight	63 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

Communication module specification

Transfer channels	2 Channels, Encoder, High speed counter, Frequency measurement, Pulse width, Period measurement.
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Counter mode specifications

Counter size	32bit-wide/channel
Counting mode	1-Input mode: Up, Down. 2-Input mode: Encoder 4x, Encoder 2x, Encoder 1x, Up / Inhibit, Up / Reset, Down / Inhibit, Down / Reset, Up / Down, Clock / Direction, Frequency measurement, Pulse width and Period measurement.
Indicators	6 green terminal input LEDs
Input current	4 mA @ 5 VDC, 11 mA @ 24 VDC
Input frequency	0 – 750 kHz @ Encoder mode * (except Encoder x1), 0 – 500 kHz @ Counting mode
Input voltage	5 - 24 VDC nominal (max. 28.8 VDC)
Min ON state voltage	≥4.8 VDC
Number of channels	2 Channels, Encoder, High speed counter, Frequency measurement, Pulse width, Period measurement.

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