



GT-1258

8 digital inputs

24 VDC

Proximity sensor type

Sort-circuit protected

Detecting Open / Short / On-Off States

18pt removable terminal block

Facts

General description

Article number	100-8303
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. 50 mA @ 5 VDC
Isolation	I/O to Logic: Photocoupler isolation
Field power	Nominal supply voltage: 24 VDC, Voltage range: 15 - 30 VDC, Power dissipation: 15 mA + load @ 24 VDC
Weight	64 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

Digital input module specifications

Indicators	8 input status (green) / 8 error status (green)
Inputs per module	8 point
ON state current	Signal current (0): $I \leq 1.5 \text{ mA}$, Signal current (1): $I \geq 4.5 \text{ mA}$
ON state voltage	Sensor supply voltage: Nominal 24 VDC; short-circuit protected (determined by field power)
Input filter	10 ms
Nominal input impedance	3.2 k Ω typical

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