



GT-12FA

32 digital inputs

24 VDC

SINK/SOURCE

40-pin connector (cable not included)

Facts

General description

| | |
|------------------------|--|
| Article number | 100-8002 |
| 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 |
| Installation position | Horizontal, Vertical |
| Product certifications | CE, UL, cUL, FCC, RoHS, China RoHS, Reach |
| Power dissipation | Max. 55 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 | 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 | 32 green input status |
| Inputs per module | 32 points universal type SINK / SOURCE |
| OFF state voltage | 9.1 VDC @ 25°C |
| ON state current | 3.0 mA / point @ 30 VDC |
| ON state voltage | Nominal supply voltage: 24 VDC, Voltage range: 60°C: 18~32 VDC, 70°C: 18~26.4 VDC |
| Input filter | Adjustable, up to 10 ms |
| Nominal input impedance | 10.2 kΩ typical |
| Input signal delay | OFF to ON: 0.2 ms, ON to OFF: 0.2 ms |
| Common type | 32 point / external 8 COM (universal) |

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