



GT-1B7F

16 digital inputs / outputs

24 VDC

IN SINK/OUT SOURCE

18pt removable terminal block

Facts

General description

Article number	100-8081
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. 60mA @ 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	8 green input status
Inputs per module	16 point SINK / SOURCE
OFF state voltage	12.5 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	10.6 k Ω
Input signal delay	OFF to ON: 0.4 ms, ON to OFF: 0.5 ms
Common type	16 point / external 2 COM (source)

Digital output module specifications

Indicators	16 green output status
Outputs per module	16 point SOURCE output
Output current rating	Max. 0.3 A per channel, Max. 4.8 A per unit
Output signal delay	OFF to ON: Max. 0.3 ms, ON to OFF: Max. 0.5 ms
ON state min current	Min. 1 mA
Output voltage range	Nominal supply voltage: 24 VDC, Voltage range: 60°C: 18~32 VDC, 70°C: 18~26.4 VDC
ON state voltage	0.3 VDC @ 25°C, 0.3 VDC @ 60°C
OFF state leakage current	Max. 3uA
Common type	16 point / 1 COM
Protection	Over current limit: 1.2 A@ 25°C per channel, Thermal Shutdown: 175°C , Short circuit protection

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