



### **GT-12DF**

16 digital inputs

24 VDC

SINK/SOURCE

18pt removable terminal block

## Facts

### General description

Article number	100-8064
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, 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	65 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	16 green input status
Inputs per module	16 point universal type SINK / SOURCE
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	14.9 k $\Omega$ typical
Input signal delay	OFF to ON: 0.3 ms, ON to OFF: 0.3 ms
Common type	16 points / 2 COM (Single Common)

## **People & Technology. Connected.**

We are a people company. Our experienced, skilled and passionate people empower you to meet your challenges through best-in-class, user-friendly solutions. We are a technology company. We help you optimize processes through our software, hardware and services, and through our support. Connecting people and technologies gives you the means to accomplish your goals and ambitions, and gain a competitive edge in today's digitalized world.

Beijer Electronics, Inc.  
850 South 3600 West, Suite C  
Salt Lake City, UT 84104  
USA

Sales: +1 801-708-6631 Support: +1 801-708-6690 (tel:Sales: +1 801-708-6631 Support: +1 801-708-6690)  
[sales.americas@beijerelectronics.com](mailto:sales.americas@beijerelectronics.com) (mailto:sales.americas@beijerelectronics.com)