



## M12DF

16 digital inputs

24 VDC  
Sink / Source  
Hotswap  
18pt removable terminal block (RTB18C)

## Facts

### General description

Article number	100-8212
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), DNVGL-CG-0339 (Vibration Class B, 4G)
Industrial emissions	EN 61000-6-4/2019
Industrial immunity	EN 61000-6-2 : 2019
Installation position	Horisontal, Vertical
Power dissipation	40 mA maximum @ 5.0 VDC
Isolation	I/O to Logic : Photocoupler isolation
Field power	Supply voltage : 24 VDC nominal, Voltage range : 15~28.8 VDC, Power dissipation: 0 mA @ 24 VDC
Weight	72g
Module size	12 x 110 x 75 mm

### Certifications

General	CE, FCC, UL, cUL
Hazardous	UL C1D2, ATEX (Zone2)
Marine	DNV GL
Safety	UL508, CAN/CSA C22.2 No.142-M1987

## Environmental

Mounting	35mm DIN rail
Operating temperature	-25 ~ 60°C
Storage temperature	-40 ~ 85°C
UL temperature	-25 ~ 60°C
Relative humidity	5 ~ 90% non-condensing

## Digital input module specifications

Indicators	16 Green input state
Inputs per module	16 digital inputs
OFF state voltage	6 VDC @ 25°C
ON state current	3.05 mA maximum/point @28.8 VDC
ON state voltage	24 VDC nominal, Min. 9 VDC to Max. 28.8 VDC
Nominal input impedance	14.9 kΩ typical
Input signal delay	OFF to ON : 0.5 ms Max, ON to OFF : 0.5 ms Max
Common type	16 channels / 2 COM (Universal Common)

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