



## M1238

8 digital inputs

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

## Facts

### General description

|                       |  |
|-----------------------|--|
| Article number        | 100-8294   |
| 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     | 30 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                | 69g  |
| Module size           | 12 x 110 x 75 mm   |

## Certifications

|           |                                   |
|-----------|-----------------------------------|
| General   | CE, FCC, UL, cUL                  |
| Hazardous | UL C1D2                           |
| 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              | 8 Green input state                              |
| Inputs per module       | 8 digital inputs                                 |
| OFF state voltage       | 6.5 VDC @ 25°C                                   |
| ON state current        | 2.2 mA @24 VDC, 2.7 mA @28.8 VDC                 |
| ON state voltage        | 24 VDC nominal, 15 ~ 28.8 VDC @ 60°C             |
| Nominal input impedance | 10.2 kΩ typical                                  |
| Input signal delay      | OFF to ON : Max. 0.5 ms, ON to OFF : Max. 0.5 ms |
| Common type             | 8 points / 2 COM (Universal Common)              |

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