

|                       |                                                                                                  |
|-----------------------|--------------------------------------------------------------------------------------------------|
| Article number        | 100-8213                                                                                         |
| 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     | 45 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 : 55 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              | 8 Green input state                          |
| Inputs per module       | 8 Digital input (sink)                       |
| OFF state voltage       | 6 VDC @ 25°C                                 |
| ON state current        | 5.75 mA maximum/point @28.8 VDC              |
| ON state voltage        | 24 VDC nominal, Min. 9 VDC to Max. 28.8 VDC  |
| Input filter            | Adjustable, up to 10ms                       |
| Nominal input impedance | 14.8 kΩ typical                              |
| Input signal delay      | OFF to ON : 0.2ms Max, ON to OFF : 0.3ms Max |

## Digital output module specifications

|                               |                                                                                                       |
|-------------------------------|-------------------------------------------------------------------------------------------------------|
| Indicators                    | 8 Green output state                                                                                  |
| Outputs per module            | 8 Digital output (source)                                                                             |
| Output current rating         | Max. 0.5A per channel / Max. 4A per unit                                                              |
| Output signal delay           | OFF to ON : 0.1ms maximum ON to OFF : 0.3ms maximum                                                   |
| ON state min current          | 1mA per channel                                                                                       |
| Output voltage range          | Nominal 24 VDC, Min. 15 VDC to Max. 28.8 VDC                                                          |
| ON state voltage              | Max. 0.5 VDC @ -25°C ~ 60°C                                                                           |
| OFF state leakage current     | Max. 10 uA                                                                                            |
| Field power OFF state voltage | 5.0 VDC @ 25°C                                                                                        |
| Protection                    | Over Current limit : 1.9A@ 25°C per each channels, Thermal Shutdown : 175°C, Short circuit protection |

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