



M7001

Power module

System and field distribution

Redundancy

24 VDC

2 byte data size

Hotswap

18pt removable terminal block (RTB18C)

Facts

General description

| | |
|---------------------------------|--|
| Article number | 100-8261 |
| 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 | Horizontal, Vertical |
| Power dissipation | Max. 30 mA @ 24 VDC |
| Current for IO module | 2.0 A @ 5 VDC |
| Isolation | System power to internal logic : Non-isolation, System power I/O driver : Isolation |
| Field power | Supply voltage : 24 VDC nominal, Voltage range : 15~28.8 VDC, Protection : Output current limit, Reverse polarity protection |
| Max current field power contact | DC 10 A Max |
| 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 |

Communication

| | |
|------------|-----|
| Redundancy | Yes |
|------------|-----|

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 |

Power module specifications

| | |
|---------------------|---|
| Contact voltage | DC 10 A Max |
| Field power voltage | 24VDC |
| Indicator | M7001: 4 LEDs, 1 Green, M-Bus Status (RUN), 1 Green, Primary Status(PRI), 1 Green, Active Status (ACT), 1 Green, Field Power Enable (Field Power) |
| Input voltage range | 15 VDC to 28.8 VDC |
| Power input voltage | 24VDC |

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