



M4158

8 analog outputs

0~20 mA

16 bit resolution

Hotswap

18pt removable terminal block (RTB18C)

Facts

General description

| | |
|-----------------------|---|
| Article number | 100-8246 |
| 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 | Max. 30 mA @ 5.0 VDC |
| Isolation | I/O to Logic : Photocoupler Isolation, Field power : Non-Isolation |
| Field power | Supply voltage : 24 VDC Norminal Voltage range : 18V ~ 28.8 VDC Power dissipation : 130 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 |

Analog output module specifications

| | |
|----------------------|--|
| Calibration | Not Required |
| Common type | 8 Common, Field Power 0V is Common(AGND) |
| Conversion time | Max. 250usec / All channel |
| Data format | 16 bits Integer (2' compliment) |
| Diagnostics | Field Power Off : Led Blinking, Field Power On : Led ON |
| Indicators | 1 Green M-Bus status |
| Load resistance | <200 Ω |
| Module error | $\pm 0.1\%$ Full Scale @ 25°C ambient, $\pm 0.3\%$ Full Scale @ -25°C~60°C |
| Output format | 0~20 mA |
| Outputs per module | 8 Channels single ended |
| Resolution in ranges | 16 bit (Include Sign), 15 bits : 0.61 uA/bit |

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