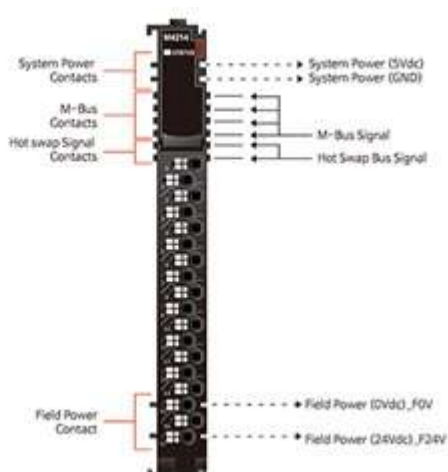




## M4214

4 analog outputs

4~20 mA

12 bit resolution

Load Resistance: < 200  $\Omega$

Hotswap

18pt removable terminal block (RTB18C)

## Facts

### General description

|                       |                                                                                                       |
|-----------------------|-------------------------------------------------------------------------------------------------------|
| Article number        | 100-8296                                                                                              |
| 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 nominal, Voltage Range : 18~28.8 VDC, Power Dissipation : Max. 65 mA @ 24 VDC |
| Weight                | 70g                                                                                                   |
| 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          | 4 Common, Field Power 0V is Common(AGND)                                   |
| Conversion time      | Max. 200usec / 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 $\Omega$                                                             |
| Module error         | $\pm 0.1\%$ Full Scale @ 25°C ambient, $\pm 0.3\%$ Full Scale @ -25°C~60°C |
| Output format        | 4~20 mA                                                                    |
| Outputs per module   | 4 Channels single ended                                                    |
| Resolution in ranges | 12 bits : 3.91 uA/Bit                                                      |

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Visiting address HQ: Stora Varvsgatan 13a

SE - 211 75 Malmoe, SWEDEN

+46 40 35 86 00 (tel:+46 40 35 86 00)

[info@beijerelectronics.com](mailto:info@beijerelectronics.com) (mailto:info@beijerelectronics.com)