



## M3708

8 analog inputs

RTD / Resistance input

PT100 / PT1000 / Ni1000LG / etc,

Data Format: 16 bit resolution

Hotswap

18pt removable terminal block (RTB18C)

## Facts

### General description

Article number	100-8235
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. 130 mA @ 5.0 VDC
Isolation	I/O to Logic : DC-DC Isolation, Field power : Not Connected
Field power	Not used Field power bypass to next expansion module
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 input module specifications

Calibration	Not required
Connection types	3-Wire
Conversion time	< 280 ms, All Channel
Data format	16 bits Integer (2' compliment)
Indicators	8 Green Input status
Inputs per module	8 Channels
Module error	All type Input Range: $\pm 0.1\%$ Full Scale @ 25°C ambient, $\pm 0.3\%$ Full Scale @ -25°C~60°C
Resolution in ranges	RTD Type : $\pm 0.1^\circ\text{C}$ / F , Resistance Type : 100 m $\Omega$ , 10 m $\Omega$ , 20 m $\Omega$ , 50 m $\Omega$
Sensor types	RTD Input: PT100, PT200, PT500, PT50: -200~850°C, PT1000: -200~350°C, JPT100, JPT200, JPT500, JPT50: -200~640°C, JPT1000: -200~350°C, NI100, NI200, NI500: -60~250°C, NI1000: -60~180°C, NI120: -80~260°C, NI1000LG: -50~120°C, , Resistance Input: 100 m $\Omega$ /bit: 0~2000 $\Omega$ , 10 m $\Omega$ /bit: 0~327 $\Omega$ , 20 m $\Omega$ /bit: 0~620 $\Omega$ , 50 m $\Omega$ /bit: 0~1200 $\Omega$

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