



M5914 Communication

4 channel HART interface (single ended)
 Non-isolated between channels
 16bit resolution
 Hotswap
 18pt removable terminal block (RTB18C)

Facts

General description

Article number	100-8259
Warranty	2 year
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/A11: 2011
Industrial immunity	EN 61000-6-2 : 2019
	Horizontal, Vertical
Power dissipation	Max. 30mA @ 5.0Vdc
Isolation	I/O to Logic : Isolation
Field power	Supply voltage : 24Vdc nominal Voltage range : 18~28.8Vdc, Power Dissipation : Max. 10mA @ 24Vdc
Weight	72g
Module size	12mm x 110mm x 72mm

Certifications

General	CE, FCC, UL, cUL
Hazardous	ULC1D2
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	-20 ~ 60°C
Relative humidity	5 ~ 90% non-condensing

Analog input module specifications

Calibration	Not required
Common type	4 Common, Field Power 0V is Common(AGND)
Conversion time	30msec / All channel
Data format	16bits Integer (2' compliment)
Etc function	HART Revision 5, Open circuit detection I _{meas} < 3.5mA, Short circuit detection I _{meas} > 22mA
Indicators	4 Green & 4 Red Input status
Input current range	4~20mA
Input impedance	270Ω
Inputs per module	4 Channels single ended, non-isolated between channels
Module error	±0.1% Full Scale @ 25°C ambient, ±0.3% Full Scale @ -25°C~60°C
Resolution in ranges	16 bits (Include Sign), 15 bits : 0.49uA/Bit(4~20mA)