

Technical Information	
model	DF58-M-4AI-UI-6
Product Description	Analog input module, 4 inputs, voltage type, current type
Input method	Voltage type, current type
Number of channels	four
Conversion time	400us/channel
Voltage input range	$\pm 10V$, 0-10V, 2-10V, $\pm 5V$, 0-5V, 1-5V
Voltage input impedance	>100K Ω
Voltage input accuracy (25 °C)	$\pm 0.1\%$ (full range)
Voltage input accuracy (full temperature range)	$\pm 0.2\%$ (full range)
Voltage input limit	$\pm 15V$
Voltage input diagnosis	support
Current input range	$\pm 20mA$, 0-20mA, 4-20mA
Current acquisition impedance	250 Ω
Current input accuracy (25 °C)	$\pm 0.1\%$ (full range)
Current input accuracy (full temperature range)	$\pm 0.2\%$ (full range)
Current input limit	Instantaneous $\pm 30mA$, average $\pm 24mA$
Current input diagnosis	No support for wire breakage detection
Is it isolated	No isolation between interface channels, power supply and interface isolation, interface and bus isolation
Diagnostic reporting function configuration	Support input overflow alarm diagnosis and reporting
Conversion Mode Configuration	$\pm 10V$, 0-10V, 2-10V, $\pm 5V$, 0-5V, 1-5V, $\pm 20mA$, 0-20mA, 4-20mA
Filter parameter configuration	The software filtering time can be configured through the upper computer, with a setting range of 0-65535, Bit is the sampling period
Overlimit detection enable configuration	support
Peak Hold Enable Configuration	support
Conversion Digital Range Configuration	Default configuration (-27648 to 27648), supporting ± 32000
Sampling time	4-channel 2ms
Sampling refresh	Asynchronous refresh according to sampling time, does not require synchronous refresh according to bus cycle
Stop mode	Keep the current value and do not refresh again
Signal type	Differential
Isolation method	Magnetic isolation from the on-site layer
data size	8 Byte
resolving power	16 Bit
sampling frequency	20-300Hz (configurable)
Power parameters	
working voltage	24V DC +20 %/ -15 %
System feed current	<15mA
Wiring parameters	
Connection technology: input/output	PUSH-IN type terminal blocks

Connection type (1)	Input/Output
Crimping area of wire	0.2~1.5mm ² /26~16AWG
Strip length	8-10mm ²
Installation method	DIN-35 type guide rail
Material parameters	
colour	Light gray
Shell material	PC plastic, PA66
Consistency flag	CE
Environmental requirements	
Permissible ambient temperature (during operation)	-25-60 °C
Permissible ambient temperature (storage)	-40-85 °C
Protection type	IP20
Pollution level	2. Comply with IEC 61131-2 standard
Working altitude	Temperature without derating: 0-2000m
Installation position	arbitrarily
Relative humidity (non condensing)	5-95% RH
Anti vibration	4g, in accordance with IEC 60068-2-6 standard
Impact resistance	15g, in accordance with IEC 60068-2-27 standard
EMC - Immunity	Complies with EN 61000-6-2 standard
EMC - Radiated interference	Complies with EN 61000-6-3 standard
Corrosion resistance	Complies with IEC 60068-2-42 and IEC 60068-2-43 standards
Permissible H ₂ S pollutant concentration at 75% relative humidity	10ppm
Permissible SO ₂ pollutant concentration at 75% relative humidity	25ppm