

| Technical Information | |
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| Product Description | Analog input module, 4 inputs, voltage type, current type |
| Number of signal channels | 4 |
| Input method | Voltage type, current type |
| Number of channels | four |
| Conversion time | 60us/channel |
| Voltage measurement range | $\pm 10V$, 0-10V, 2-10V, $\pm 5V$, 0-5V, 1-5V |
| Voltage input impedance | >100K Ω |
| Voltage input accuracy (25 $^{\circ}C$) | 0.1% (full range) |
| Voltage input accuracy (full temperature range) | 0.2% (full range) |
| Voltage input limit | $\pm 15V$ |
| Voltage input diagnosis | support |
| Current measurement range | 0-20mA, 4-20mA |
| Current acquisition impedance | 250 Ω |
| Current input accuracy (25 $^{\circ}C$) | 0.1% (full range) |
| Current input accuracy (full temperature range) | 0.2% (full range) |
| Current input limit | Instantaneous $\pm 30mA$, average $\pm 24mA$ |
| Current input diagnosis | Support for wire breakage detection |
| Is it isolated | No isolation between interface channels, power supply and interface isolation, interface and bus isolation |
| Independent channel enable configuration | support |
| Diagnostic reporting function configuration | support |
| Diagnostic detection enable configuration | Voltage measurement short circuit, current measurement broken wire, output range including 0 mode not supported |
| Conversion Mode Configuration | $\pm 10V$, 0-10V, 2-10V, $\pm 5V$, 0-5V, 1-5V, |
| Filter parameter configuration | 0-20mA, 4-20mA |
| Peak Hold Enable Configuration | The software filtering time can be configured through the upper computer, |
| Overlimit detection enable configuration | support |
| Sampling time | support |
| Sampling refresh | 4-channel 250us |
| Stop mode | Asynchronous refresh according to sampling time, does not require synchronous refresh according to bus cycle |
| Signal type | Keep the current value and do not refresh again |
| Isolation method | Single ended |
| data size | Electrical isolation or galvanic isolation |
| resolving power | 8 Byte |
| sampling frequency | 16 Bit |
| working voltage | 24V DC +20 %/ -15 % |
| System feed current | <120mA |
| Wiring parameters | |

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|-------------------------------------------------------------------------------|-----------------------------------------------------------|
| Connection technology: input end | PUSH-IN type wiring port |
| line type | Input |
| Crimping area of wire | 0.14~1.5mm ² /26~16AWG |
| Strip length | 8~10mm |
| Installation method | DIN-35 type guide rail |
| Material parameters | |
| Colour | Black |
| Housing 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 | Without temperature influence: 0~2000m |
| Relative humidity (non condensing) | 5~95%RH |
| Anti vibration | 4g, Complies with IEC 60068-2-6 standard |
| Impact resistance | 15g, Complies 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 |