

1. Specification

| Technical data | |
|---|--|
| Number of channels | 4 |
| Signal type | Thermal resistance |
| Signal type | PT100、PT200、PT500、PT1000、NI100、NI200、NI500、NI1000、NI120、CU10、CU50、CU100、CU53 |
| Connection type | 2/3-line |
| Resolution [bit] | 16 Bit, 0.1°C/each number |
| Precision | ±0.3% |
| Data size | 8 Byte |
| Temperature coefficient | ±50ppm/Kmax. |
| Measuring range | -200°C~850°C |
| Supply voltage (system) | 5VDC; via data contacts |
| Current consumption | <100mA |
| Working voltage | 24VDC (-15%~+20%) via power jumper contacts |
| Isolation | 500Vsystem/field Magnetic isolation |
| Frequency interference suppression | 10Hz 50Hz 60Hz 400Hz |
| Conversion time | 200ms |
| Fault diagnosis | Yes |
| Diagnosis | Disconnection, Parameter assignment error |
| Process alarm | Upper/Lower limit, per channel |
| Reverse protection | Yes |
| Indicators | 6x LED Green |
| Number of incoming power jumper contacts | 2 |
| Number of outgoing power jumper contacts | 2 |
| Connection data | |
| Connection technology: inputs / outputs | 16 x via pluggable connector |
| Connection type 1 | Inputs/Outputs |
| Area of wire | 0.2~1.5mm ² /28~16AWG |
| Strip length | 8~9mm/0.31~0.35inches |
| Mounting type | DIN-35 RAIL |
| Material Data | |
| Color | light gray |
| Housing material | Polycarbonate; polyamide 6.6 |
| Conformity marking | CE |
| Environmental requirements | |
| Ambient temperature (operation) | -25~60°C |
| Surrounding air temperature (storage) | -40~85°C |
| Protection type | IP20 |
| Pollution degree (5) | 2, Per IEC 61131-2 |
| Operating altitude | without temperature derating: 0~2000m |
| Mounting position | Any |
| Relative humidity (without condensation) | 5~95%RH |
| Vibration resistance | 4g, Per IEC 60068-2-6 |
| Shock resistance | 15g, Per IEC 60068-2-27 |
| EMC immunity to interference | Per EN 61000-6-2 |
| EMC emission of interference | Per EN 61000-6-3 |
| Exposure to pollutants | Per IEC 60068-2-42 and IEC 60068-2-43 |
| Permissible pollutant concentration H ₂ S at a relative humidity < 75% | 10ppm |
| Permissible pollutant concentration SO ₂ at a relative humidity < 75% | 25ppm |