

I/O utv. 4 inn Pt100/1000, 16 bit, kit

Partnumber: TM5SAI4PHK

Wholesalernumber:

EAN 13 code: 3595864154725

Composition kit of I/O(TM5SAI4PH) + term. block(TM5ACTB12) + bus base(TM5ACBM11)

Technical information

► Compatibility

| | |
|-----------------------|-------------------|
| range compatibility | Modicon LMC058 |
| | Modicon M258 |
| product compatibility | motion controller |
| | logic controller |

► Functional

| | |
|---------------------------|--|
| device composition | bus sub-base TM5ACBM11 |
| | terminal block TM5ACTB12 |
| | I/O module TM5SAI4PH |
| analogue input number | 4 |
| analogue input type | temperature probe - 200...850 °C Pt 100/Pt 1000 |
| analogue input resolution | 16 bits |
| measurement resolution | 0.1 °C |
| measurement error | < 0.037 % of full scale, - 200...850 °C, Pt 100/Pt 1000 at 25 °C |
| temperature coefficient | 0.004 %FS/°C, analogue input type: temperature probe |
| non-linearity | 0.001 %FS, analogue input type: temperature probe |
| isolation | no insulation between channels |
| | 500 Vrms AC insulation between channel and bus |
| local signalling | 1 LED green for power supply |
| | 1 LED red for power supply |
| | 4 LEDs green for input status |
| marking | CE |

► Electrical

| | |
|---------------------------|---|
| [Us] rated supply voltage | 24 V DC -15...20 % |
| current consumption | 2 mA 5 V DC bus |
| | 46 mA 24 V DC input/output |
| power dissipation in W | <= 1.11 W W |
| surge withstand | 0.5 kV differential mode conforming to EN/IEC 61000-4-5 |
| | 1 kV common mode conforming to EN/IEC 61000-4-5 |

► Connections

| | |
|---------------|----------------|
| type of cable | shielded cable |
|---------------|----------------|

► Communication

| | |
|-----------------------|-------------|
| common mode rejection | >= 95 dB dB |
|-----------------------|-------------|

► Product identification

| | |
|---------------------------|---------------------|
| range of product | Modicon TM5 |
| product or component type | analog input module |
| colour | white |
| supply | internal |

► Physical characteristics

| | |
|----------------|-------------|
| product weight | 0.065 kg kg |
|----------------|-------------|

► Environment

| | |
|---------------------------------------|---|
| ambient air temperature for operation | 0...50 °C (vertical installation) |
| | 0...55 °C without derating factor (horizontal installation) |
| | 0...60 °C with derating factor (horizontal installation) |
| ambient air temperature for storage | -25...70 °C °C |
| relative humidity | 5...95 % without condensation |
| IP degree of protection | IP20 conforming to IEC 61131-2 |
| pollution degree | 2 conforming to IEC 60664 |

| | |
|---------------------------------------|--|
| operating altitude | 0...2000 m m |
| storage altitude | 0...3000 m m |
| vibration resistance | 1 gn (f= 8.4...150 Hz) DIN rail 3.5 mm (f= 5...8.4 Hz) DIN rail |
| shock resistance | 15 gn for 11 ms |
| resistance to electrostatic discharge | 4 kV on contact conforming to EN/IEC 61000-4-2 8 kV in air conforming to EN/IEC 61000-4-2 |
| resistance to electromagnetic fields | 1 V/m 2...2.7 GHz conforming to EN/IEC 61000-4-3 10 V/m 80...2000 MHz conforming to EN/IEC 61000-4-3 |
| resistance to fast transients | 1 kV I/O conforming to EN/IEC 61000-4-4 1 kV shielded cable conforming to EN/IEC 61000-4-4 2 kV power lines conforming to EN/IEC 61000-4-4 |
| electromagnetic compatibility | EN/IEC 61000-4-6 |
| disturbance radiated/conducted | CISPR 11 |
| Certifications and standards | |
| standards | CSA C22.2 No 142 IEC 61131-2 UL 508 CSA C22.2 No 213 |
| product certifications | CSA C-Tick cULus GOST-R |

Supplier information

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