

Schneider Electric TM5SAI4L

TM5SAI4L | Schneider Electric | Analog input module - 4I - +/-10 V/0..20 mA/4..20 mA - 12 bits

Manufacturer : Schneider Electric

Analog input module - 4I - +/-10 V/0..20 mA/4..20 mA - 12 bits

Range of product : Modicon TM5

Product or component type :Analog input module

Analogue input number :4

Analogue input type :Voltage +/- 10 V differential | current 0...20 mA/4...20 mA differential

Analogue input resolution :12 bits + sign +/- 10 V | 12 bits 0...20 mA/4...20 mA

Complementary

Range compatibility :Modicon M258 | Modicon LMC058

Product compatibility :Motion controller | Logic controller

Measurement resolution :2.441 mV, +/- 10 V | 4.883 μ A, 0...20 mA/4...20 mA

Colour :White

Input impedance :>= 20 mOhm voltage

Load impedance ohmic :<= 400 Ohm (current)

Sampling duration :1 ms, analogue input type: all inputs with filtering | 400 μ s, analogue input type: all inputs without filtering

Measurement error :< 0.08 % of full scale +/- 10 V +/- 10 V at 25 ° C | < 0.08 % of full scale 0...20 mA/4...20 mA at 25 ° C

Temperature coefficient :+/- 0.009 %FS/° C, analogue input type: current | +/- 0.006 %FS/° C, analogue input type: voltage

You can contact us through the following contact information

www.sparetechplc.com +86 180 3000 5825 sales@sparetechplc.com

Non-linearity :< 0.025 %FS, analogue input type: voltage | < 0.05 %FS, analogue input type: current

Type of cable :Shielded cable

Isolation :No insulation between channels | 500 Vrms AC insulation between channel and bus

Supply :Internal

[Us] rated supply voltage :24 V DC -15...20 %

Common mode rejection :> 70 dB

Local signalling :1 LED green for power supply | 1 LED red for power supply | 4 LEDs green for input status

Current consumption :2 mA at 5 V DC bus | 46 mA at 24 V DC input/output

Maximum power dissipation in W :1.11 W

Marking :CE

Product weight :0.025 kg

Environment

Standards :CSA C22.2 No 213 | IEC 61131-2 | UL 508 | CSA C22.2 No 142

Product certifications :CSA | cULus | GOST-R | C-Tick

Ambient air temperature for operation :0...55 ° C without derating (horizontal installation) | 0...60 ° C with derating factor (horizontal installation) | 0...50 ° C (vertical installation)

Ambient air temperature for storage :-25...70 ° C

Relative humidity :5...95 % without condensation

IP degree of protection :IP20 conforming to IEC 61131-2

Pollution degree :2 conforming to IEC 60664

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Operating altitude :0...2000 m

Storage altitude :0...3000 m

Vibration resistance :1 gn at 8.4...150 Hz on DIN rail | 3.5 mm at 5...8.4 Hz on 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

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

Electromagnetic compatibility :EN/IEC 61000-4-6

Disturbance radiated/conducted :CISPR 11

Packing Units

Unit Type of Package 1 :PCE

Number of Units in Package 1 :1

Package 1 Height :2.100 cm

Package 1 Width :6.100 cm

Package 1 Length :10.800 cm

Package 1 Weight :39.000 g

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