TM5SAI2L

Schneider Electric · Modicon TM5

Analog Input Module, 2 channels, ±10V/0-20mA/4-20mA, 12-bit

Module type
Analog input (voltage/current configurable per channel)

Channels
2

Signal type
±10 Vdc, 0-20 mA, 4-20 mA (software configurable per channel)

Range
±10 V / 0-20 mA / 4-20 mA

Resolution
12 bits (signed, ±10V: -32768 to +32767)

Accuracy
±0.3% of full scale at 25 °C (±0.5% FS over temperature)

Isolation
No isolation between channels; 500 Vrms AC between channels and bus

Diagnostics
Channel status (below lower limit, above upper limit, wire break for 4-20mA), ModuleOK, DcOk, NetworkOk

Response time
Configurable input cycle (filter off/level 2-128), channel offset 200 µs; sampling 1 ms or 300 µs per channel

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Supply voltage
24 Vdc (via TM5 bus / power distribution module)

Power consumption
0.81 W

Bus current
2 mA at 5 V DC (via TM5 bus); 5 mA at 24 V DC

Operating temperature
0...+55 °C

Storage temperature
-25...+70 °C

Protection rating
IP20

Dimensions (H×W×D)
99 × 12.5 × 75 mm

Weight
0.025 kg

Compatible platforms
Modicon M241, M251, M258, LMC058

Lifecycle
Active (Last verified: 2026-09)