

# TM5SAI4L

Schneider Electric · Modicon TM5

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Analog Input Module, 4 channels,  $\pm 10\text{V}/0\text{-}20\text{mA}/4\text{-}20\text{mA}$ , 12-bit

## Module type

Analog input (voltage/current configurable per channel)

## Channels

4

## Signal type

$\pm 10\text{ Vdc}$ , 0-20 mA, 4-20 mA (software configurable per channel)

## Range

$\pm 10\text{ V}$  / 0-20 mA / 4-20 mA

## Resolution

12 bits (signed,  $\pm 10\text{V}$ : -32768 to +32767)

## Accuracy

$\pm 0.3\%$  of full scale at 25 °C ( $\pm 0.5\%$  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  $\mu\text{s}$ ; sampling 1 ms or 300  $\mu\text{s}$  per channel

## Supply voltage

24 Vdc (via TM5 bus / power distribution module)

## Power consumption

1.2 W

## Bus current

3 mA at 5 V DC (TM5 bus); 10 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)