

Schneider Electric TM3AI8

Model: TM3AI8

Brand: Schneider Electric

Series: Modicon TM3

Analog Input Module, 8 channels, 12-bit

—— I/O Specifications ——

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

Channels: 8

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

Range: 0-10 V / ± 10 V / 0-20 mA / 4-20 mA

Resolution: 12 bits (11 bits + sign for bipolar)

Accuracy: $\pm 0.1\%$ of full scale at 25 ° C ($\pm 1\%$ FS over temperature)

Isolation: 1500 V AC between input and supply; 500 V AC between input and internal logic

Diagnostics: Channel status, module status, bus status

Response time: Conversion: 1 ms + 1 ms per channel + 1 controller cycle time; sampling 1 ms per channel

Wiring: Removable screw terminal block, 3.81 mm pitch

—— Electrical ——

Supply voltage: 24 Vdc (via TM3 bus)

Power consumption: Not available

Bus current: 50 mA at 5 V DC (full load); 40 mA at 24 V DC

—— Environmental ——

Operating temperature: 0...+55 ° C

Storage temperature: -25...+70 ° C

Protection rating: IP20

—— Physical ——

Dimensions (H × W × D): 90 × 23.6 × 70 mm

Weight: 0.115 kg

—— Compatibility ——

Compatible platforms: Modicon M221, M241, M251, M262

—— Status ——

Lifecycle: Active (Last verified: 2026-09)

You can contact us through the following contact information

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

—— Lifecycle ——

Active (Modicon TM3 expansion modules for M2xx/M340 PLCs)



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