

TM3AM6G

Schneider Electric · Modicon TM3

Analog Mixed Module, 4 inputs + 2 outputs, 12-bit, spring terminals

Module type

Analog mixed (4 AI + 2 AO)

Channels

4 analog inputs + 2 analog outputs

Signal type (inputs)

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

Signal type (outputs)

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

Range

0-10 V / ± 10 V / 0-20 mA / 4-20 mA

Resolution

12 bits (AI and AO)

Accuracy

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

Isolation

1500 V AC between analog I/O and supply; 500 V AC between analog I/O and internal logic

Diagnostics

Channel status, module status, bus status

Response time

Conversion: 1 ms + 1 ms per channel + 1 controller cycle time

Wiring

Removable spring-cage terminal block, 3.81 mm pitch

Supply voltage

24 Vdc (via TM3 bus)

Power consumption

Not available

Bus current

50 mA at 5 V DC (full load); 50 mA at 24 V DC (full load)

Operating temperature

0...+55 °C

Storage temperature

-25...+70 °C

Protection rating

IP20

Dimensions (H×W×D)

90 × 23.6 × 70 mm

Weight

0.11 kg

Compatible platforms

Modicon M221, M241, M251, M262

Lifecycle

Active (Last verified: 2026-09)