

Schneider Electric BMXAMI0810

Model: BMXAMI0810

Brand: Schneider Electric

Series: Modicon X80

Modicon X80 Analog Input Module, 8-channel, High Speed, Isolated

—— I/O Specifications ——

Channels: 8 channels

Signal type: Voltage: $\pm 10V$, $\pm 5V$, 0-10V, 0-5V, 1-5V; Current: $\pm 20mA$, 0-20mA, 4-20mA

Range: $\pm 10 V$ / $\pm 20 mA$ (multi-range configurable)

Resolution: 16-bit (15-bit + sign)

Accuracy: $\leq 0.1\% FS$

Isolation: Channel-to-channel isolation (300V DC channel-to-channel, 1400V DC channel-to-ground)

Diagnostics: Module status LED; per-channel status

Conversion time: $1 ms + 1 ms \times \text{channels}$ (standard: 9 ms for 8 channels)

Input impedance: $10 M\Omega$ (voltage) / 250Ω (current)

Temperature drift: 30 ppm/ $^{\circ}C$ (voltage) / 50 ppm/ $^{\circ}C$ (current)

MTBF: 900,000 h

Connection: 20-pin terminal block

—— Electrical ——

Supply voltage: 24 V DC (via backplane)

Power consumption: 1.06 W (24V) / 0.32 W (3.3V)

Bus current: 130 mA @ 24 V DC

—— Environmental ——

Operating temperature: $0^{\circ}C$ to $+60^{\circ}C$

Storage temperature: $-25^{\circ}C$ to $+70^{\circ}C$

Relative humidity: 5% to 95% (non-condensing)

Protection rating: IP20

—— Physical ——

Dimensions (H $\times$ W $\times$ D): 100 $\times$ 28 $\times$ 93 mm

Weight: 0.165 kg

—— Lifecycle ——

Lifecycle: Active (shared I/O platform for M340 and M580) (Last verified: 2026-09)

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