

BMXAMI0810

Schneider Electric · Modicon X80

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

Channels

8 channels

Signal type

Voltage: $\pm 10\text{V}$, $\pm 5\text{V}$, 0-10V, 0-5V, 1-5V; Current: $\pm 20\text{mA}$, 0-20mA, 4-20mA

Range

$\pm 10\text{ V}$ / $\pm 20\text{ mA}$ (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 $\times$ channels (standard: 9 ms for 8 channels)

Input impedance

10 M Ω (voltage) / 250 Ω (current)

Temperature drift

30 ppm/ $^{\circ}\text{C}$ (voltage) / 50 ppm/ $^{\circ}\text{C}$ (current)

MTBF

900,000 h

Connection

20-pin terminal block

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

Operating temperature

0 $^{\circ}\text{C}$ to +60 $^{\circ}\text{C}$

Storage temperature

-25 $^{\circ}\text{C}$ to +70 $^{\circ}\text{C}$

Relative humidity

5% to 95% (non-condensing)

Protection rating

IP20

Dimensions (H×W×D)

100 × 28 × 93 mm

Weight

0.165 kg

Lifecycle

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