

Schneider Electric BMXART0814

Model: BMXART0814

Brand: Schneider Electric

Series: Modicon X80

Modicon X80 Temperature Input Module, 8-channel RTD/Thermocouple

—— I/O Specifications ——

Channels: 8 channels

Signal type: RTD: PT100, PT1000, etc.; Thermocouple: J, K, T, E, R, S, B, N

Range: RTD / thermocouple configurable per channel

Resolution: 16-bit

Accuracy: $\leq 0.1\text{ }^{\circ}\text{C}$ (RTD) / $\leq 1\%$ (thermocouple)

Isolation: Channel-to-channel isolation

Diagnostics: Module status LED; per-channel status

Connection: 28-pin terminal block

—— Electrical ——

Supply voltage: 24 V DC (via backplane)

Power consumption: 3.6 W

Bus current: 150 mA @ 24 V DC

—— Environmental ——

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

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

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

Protection rating: IP20

—— Physical ——

Dimensions (H×W×D): 100 × 28 × 93 mm

Weight: 0.17 kg

—— Lifecycle ——

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

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