

170AAI03000

Schneider Electric · Modicon Momentum

Analog Input Base Module Modicon Momentum 8-channel Current

Channels

8 differential inputs

Signal type

±20 mA (14 bits + sign, 250 kΩ), 4 to 20 mA (15 bits)

Range

±20 mA / 4 to 20 mA

Resolution

14 to 15 bits

Accuracy

±0.13% FS (1–5 V) to ±0.32% FS (±20 mA) @ 25 °C; up to ±0.41% FS @ 60 °C

Isolation

500 V AC channels-to-bus; ±200 V DC channel-to-channel; 500 V AC field-to-ground

Diagnostics

1 green ready LED + 8 channel status LEDs; no error indication

Conversion time

12 ms

Input impedance

250 kΩ (±20 mA range)

Supply voltage

24V DC

Internal reverse polarity protection

Yes

Bus current

<382 mA @ 24V DC (external power requirement)

Power consumption

5.6 W typical, 8.5 W maximum

Operating temperature

Not available

Storage temperature

Not available

Relative humidity

Not available

Protection rating

IP20

Dimensions (H×W×D)

125 × 141.5 × 47.5 mm

Weight

0.4 kg

Terminal blocks

2 removable

Discontinued (Last verified

2026-09)