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Data Sheet

August 15, 2026

EMERSON MOTION CONTROL

Emerson Motion Control EP-3264-AA Analog Input Module

Emerson Motion Control Data Acquisition Systems (DAQ). Accuracy: 0.1% FSR, Voltage: 20.4 VDC to 28.8 VDC via system bus, Current: 8 mA.



MODEL

Emerson Motion Control EP-3264-AA

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

EP-3264-AA

LISTING

<https://aumictechlabs.com/products/ep-3264-aa-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Emerson Motion Control EP-3264-AA is a 4-channel analog input module for the PACSystems™ RSTi-EP I/O system, delivering precision data acquisition from industrial sensors and instruments. Built for high-density applications, this module combines configurable measurement ranges, integrated diagnostics, and a compact 11.5 mm footprint to support demanding automation environments. Technical Specifications Analog Input Channels 4 channels with 16-bit resolution per channel Voltage ranges: 0–5 V, ± 5 V, 0–10 V, ± 10 V, 1–5 V, 2–10 V Current ranges: 0–20 mA, 4–20 mA Accuracy: 0.1% FSR Conversion time: 1 ms per channel Frequency suppression: disabled, 50 Hz, 60 Hz, or 16-value averaging Warm-up time: 30 minutes for rated accuracy Electrical & Power Supply voltage: 20.4 VDC to 28.8 VDC via system bus System current: 8 mA Input current: 25 mA + sensor supply current Sensor supply: up to 0.5 A per plug

Sensor Connectivity 2-wire, 3-wire, and 3-wire + FE (Functional Earth) configurations Diagnostics & Protection Module and individual channel diagnostics Reverse polarity protection Short-circuit protection for inputs with response time < 50 ms Physical & Environmental DIN rail mounted in 11.5 mm I/O slices Operating temperature: -20 °C to +60 °C Communication: PROFINET RT, PROFIBUS, Modbus TCP, EtherCAT System bus: high-speed bus for up to 256 DI/DOs in 20 ms Key Features compact footprint at 11.5 mm width Field-configurable input ranges eliminate module variants Simultaneous multi-protocol support via PACSystems™ architecture Per-channel and module-level fault diagnostics 64-module capacity per drop with 1024 I/O points maximum Typical Applications Analog signal conditioning for process control, sensor integration in manufacturing systems, and distributed I/O in remote automation architectures. Compatibility & Integration The EP-3264-AA integrates into the PACSystems™ RSTi-EP remote I/O system and operates over PROFINET RT, PROFIBUS, Modbus TCP, and EtherCAT networks, supporting centralized and distributed control topologies.

EP3264AA Characteristics / Specifications

PARAMETER	VALUE
Model	EP-3264-AA
Instrument Type	Analog input module
Family	Control Techniques / Emerson Motion EP option modules
Related Digital In	EP-125F-A
Related Digital Out	EP-225F-A
Host	Unidrive / Mentor class drive or motion rack
Form Factor	EP option module
Manufacturer	Emerson Motion Control / Control Techniques
Use Case	analog inputs toadrive
Control	drive parameter / fieldbus map
Operating Temperature Class	drive cabinet
Literature	Emerson EP-3264-AA analog input module listings
Io Type	analog input
Revision	AA
Connector Class	EP module terminal block
Range Class	industrial analog voltage/current class per EP sheet
Isolation Class	option-module isolation per EP sheet
Documentation Type	OEM drive option catalog
Brand Lineage	Control Techniques Emerson
System Role	analog input expansion
Slot	EP option slot
Power	from host drive backplane class
Resolution Class	drive analog-option conversion
Operating temperature	Class: drive cabinet

EP3264AA Specifications

PARAMETER	VALUE
Applications	Analog process and feedback inputs into Emerson Motion / Control Techniques drives.
EP option family	Companion EP-125F-A digital in
Technical Specifications	Model: EP-3264-AA

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: drive cabinet
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Literature	Emerson EP-3264-AA analog input module listings
Io Type	analog input
Revision	AA
Connector Class	EP module terminal block
Range Class	industrial analog voltage/current class per EP sheet
Isolation Class	option-module isolation per EP sheet
Documentation Type	OEM drive option catalog
Brand Lineage	Control Techniques Emerson
System Role	analog input expansion
Slot	EP option slot
Power	from host drive backplane class
Resolution Class	drive analog-option conversion Notes From Emerson / Control Techniques EP-3264-AA analog-input-module catalog identity. Channel count, span, and accuracy are on the EP-3264-AA option sheet.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.