Foxboro - I/A Series / EcoStruxure Foxboro DCS

FBM201B

Eight-Channel Isolated Low-Level Voltage Analog Input Module

Verified product identity

FBM201B is the functional FBM201B designation; RH922YH is the current electronic-module part number; RH922ZM is separate termination hardware.

Verified specifications

Analog input channels	8, individually isolated
Input range	0 to 100 mV DC
Input impedance	10 MΩ
Accuracy	±0.03% of span
Temperature coefficient	±50 ppm/°C
Common-mode rejection	>100 dB at 50/60 Hz
Normal-mode rejection	>95 dB at 50/60 Hz
Channel isolation	Galvanically isolated channel-to-channel and channel-to-ground
Isolation test	600 VAC for one minute; input safety limits still apply
Power consumption	7 W maximum
Heat dissipation	3 W maximum
Documented termination assembly	RH922ZM

Selection summary

Foxboro FBM201B is an eight-channel isolated low-level voltage analog input module for Foxboro DCS field measurements.

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Additional verified data

Termination cable	Type 1, up to 30 m
Module Fieldbus	Redundant 2 Mbps
Input power	24 VDC +5%, -10%
Operating temperature	-20 to +70°C
Storage temperature	-40 to +70°C
Relative humidity	5 to 95%, noncondensing
Operating altitude	-300 to +3,000 m
Storage altitude	-300 to +12,000 m
Vibration	0.75 g from 5 to 500 Hz
Contamination class	ISA-S71.04 Class G3
Dimensions (W × H × D)	4.5 × 10.2 × 10.4 cm

Installation and commissioning

- Use FBM201B only for its documented FBM201B function and matched field signal type
- Confirm the exact module order identity, termination assembly and cable before replacement
- Preserve channel configuration, field wiring and diagnostics before removing FBM201B

Application checkpoints

- Isolated acquisition of low-level voltage field signals
- Retrofit of a like-for-like Foxboro DCS input module with preserved scaling
- Channel-isolated measurements where separate field references must be retained

Evidence boundary

Dimensions in this document are the official electronic-module envelope. The official approximate electronic-module net weight is 0.284 kg; termination assemblies, cables and packaging are excluded.

Source basis: official Schneider Electric / Foxboro model-specific Product Specifications Sheet.

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