

Foxboro - I/A Series / EcoStruxure Foxboro DCS**FBM201C****Eight-Channel Isolated Voltage Analog Input Module****Verified product identity**

FBM201C is the functional FBM201C designation; RH922YJ is the current electronic-module part number; RH922ZN is separate termination hardware.

Verified specifications

Analog input channels	8, individually isolated
Input range	0 to 5 V DC
Input impedance	10 M Ω
Accuracy	$\pm 0.03\%$ of span
Temperature coefficient	± 50 ppm/ $^{\circ}\text{C}$
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	RH922ZN

Selection summary

Foxboro FBM201C is an eight-channel isolated voltage analog input module for Foxboro DCS field measurements.

APTER POWER

Foxboro - I/A Series / EcoStruxure Foxboro DCS**FBM201C****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 FBM201C only for its documented FBM201C 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 FBM201C

Application checkpoints

- Isolated acquisition of 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.