

Foxboro - I/A Series / EcoStruxure Foxboro DCS**FBM203C**

Eight-Channel Isolated 2- or 3-wire RTD Input Module

Verified product identity

FBM203C is the functional FBM203C designation; RH922UD is the current module part number; RH916XJ / P0917JM / RH924WN is separate termination hardware.

Verified specifications

RTD input channels	8, individually isolated
Resistance range	0 to 30 Ω
Supported sensor elements	Cu10 at 25°C
RTD connection	2- or 3-wire
Accuracy	$\pm 0.1\%$ of span
Temperature coefficient	± 50 ppm/°C
Sensor excitation	0.54 mA nominal
Lead resistance	Up to 10 Ω per lead
Common-mode rejection	>125 dB at 50/60 Hz
Normal-mode rejection	>95 dB at 50/60 Hz
Update rate	One new analog value every 25 ms
Channel isolation	Galvanically isolated channel-to-channel and channel-to-ground

Selection summary

Foxboro FBM203C is an eight-channel isolated 2- or 3-wire RTD input module for resistance-temperature measurement in Foxboro DCS systems.

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Additional verified data

Power consumption / heat	3 W maximum
Documented termination assembly	RH916XJ / P0917JM / RH924WN
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 FBM203C only for its documented FBM203C 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 FBM203C

Application checkpoints

- Isolated Cu10 at 25°C temperature measurement
- Like-for-like RTD input retrofit with preserved wiring and scaling
- Multi-point resistance-temperature monitoring requiring channel isolation

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.