

Foxboro - I/A Series / EcoStruxure Foxboro DCS**FBM207C****16-Channel Isolated 48 VDC Contact Sense Input Module****Verified product identity**

The official current document styles the function as FBM207c; RH917GY is the current module part number and P0917GY is the documented superseded part number.

Verified specifications

Contact input channels	16, independent and isolated
Contact excitation / open-circuit voltage	48 VDC $\pm 15\%$
Input states	Contact open or contact closed
Short-circuit current	3.2 mA typical
Contact ON resistance	1.0 k Ω maximum
Contact OFF resistance	100 k Ω minimum
Pulse-count range	0 to 250 Hz without missing pulses
Filter/debounce selections	No filtering, 4, 8, 16 or 32 ms
Isolation test	600 VAC for one minute
Optional redundant adapter	RH926ZY
Power consumption	5 W maximum
Heat dissipation	5 W maximum

Selection summary

Foxboro FBM207C is a 16-channel isolated 48 VDC contact sense input module for discrete status, event and pulse acquisition in Foxboro DCS systems.

Foxboro - I/A Series / EcoStruxure Foxboro DCS**FBM207C****Additional verified specifications**

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
Weight	0.185 kg

Installation and commissioning

- Verify the installed termination assembly, cable and any RH926ZY redundant adapter against the project record.
- Preserve the saved channel configuration, field wiring, grounding and diagnostics before removal.
- Commission every used channel with traceable signals and verify alarms and control behavior.

Official applications

- 48 VDC-wetted passive-contact status acquisition
- Isolated solid-state switch input acquisition
- Pulse counting, sequence-of-events and event-status input service

Evidence boundary

Dimensions and weight apply to the FBM207C electronic module. Termination assemblies, cables, redundant companion modules and packaging are excluded.

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