Foxboro FBM207C P0917GY

Complete Product Information

Foxboro FBM207C P0917GY provides sixteen isolated 48 V dc contact-sense inputs with discrete, ladder-logic, pulse-count and sequence-of-events processing.

WHAT THIS PRODUCT DOES

Foxboro FBM207C P0917GY is a 48 v dc contact sense input module for 48 V dc dry-contact or solid-state switch states. It operates with the matching contact-sense termination assembly and redundant module Fieldbus and provides sixteen discrete input channels.

Product characteristic 1

Provides sixteen discrete input channels for its 48 v dc contact sense input module function.

Product characteristic 2

Handles 48 V dc dry-contact or solid-state switch states through the documented Foxboro system path.

Product characteristic 3

Works with the matching contact-sense termination assembly and redundant module Fieldbus.

Product characteristic 4

The module may be installed singly or in a controlled redundant pair.

PRODUCT-PAGE TECHNICAL SNAPSHOT

Discrete inputs	16 channels
FBM207C function	48 V dc contact sense
Isolation	Each input isolated; group isolated with external excitation
Programs	Discrete input, ladder logic, pulse count and sequence of events

IMPORTANT NOTICE

Use FBM207C P0917GY only with the matching contact-sense termination assembly and redundant module Fieldbus; verify every interface and the controlled project configuration before energizing or pressurizing the subsystem.

APTERPOWER SALES TEAM
WhatsApp / Phone: +86 180 3023 5313
Email: sales13@apterpower.com
Scan the approved WhatsApp code for model-specific support.

Features and technical data

TECHNICAL DATA SHOWN ON THE PRODUCT PAGE

Discrete inputs	16 channels
FBM207C function	48 V dc contact sense
Isolation	Each input isolated; group isolated with external excitation
Programs	Discrete input, ladder logic, pulse count and sequence of events
Input filter	Configurable filter time

FEATURE INTERPRETATION

Product identity

Provides sixteen discrete input channels for its 48 v dc contact sense input module function.

System role

Handles 48 V dc dry-contact or solid-state switch states through the documented Foxboro system path.

Service context

Works with the matching contact-sense termination assembly and redundant module Fieldbus.

Return-to-service focus

The module may be installed singly or in a controlled redundant pair.

SIGNAL OR CONTROL PATH

48 V contact → **Input termination** → **FBM207C** → **Discrete logic**

The 48 v dc contact sense input module belongs in the controlled Foxboro architecture and works with the matching contact-sense termination assembly and redundant module Fieldbus. Its mating hardware, wiring, database configuration and final response must be checked together before release.

PRODUCT-PAGE TECHNICAL QUESTIONS

Which voltage execution is identified by FBM207C P0917GY?	FBM207C is the 48 V dc contact-sense version.
How many discrete points are monitored?	Sixteen contact-sense input channels are provided.
Which control programs can use the inputs?	Discrete Input, Ladder Logic, Pulse Count and Sequence of Events programs are supported.

Common applications

The application groups below reproduce the model-specific uses presented on the product page and connect each use to a practical verification point.

System maintenance

Restores the documented 48 v dc contact sense input module function in an existing Foxboro control system.

Signal-path service

Supports controlled testing of 48 V dc dry-contact or solid-state switch states at the assigned system position.

Planned replacement

Provides an exact-identity replacement path after the matching contact-sense termination assembly and redundant module Fieldbus has been verified.

Commissioning

Allows the responsible engineer to prove configuration, diagnostics and response for sixteen discrete input channels.

APPLICATION VERIFICATION MAP

System maintenance	Confirm the documented system position and the required operating function.
Signal-path service	Compare the restored connection or control path with the approved record.
Planned replacement	Check the physical interface and the retained configuration before startup.
Commissioning	Record diagnostics and the final controlled response before release.

INFORMATION CARRIED INTO THE WORK RECORD

Identity record

Complete marking and assigned system position.

Connection record

Connector, conductor and interface arrangement as found.

Configuration record

Controlled settings, application data and option state.

Acceptance record

Observed status, response and release decision.

IMPORTANT NOTICE

Use the complete product identifier for every application review; a related product link is not evidence of interchangeability.

APPLICATION QUESTIONS

Which control programs can use the inputs?	Discrete Input, Ladder Logic, Pulse Count and Sequence of Events programs are supported.
How is input filtering handled?	The input filter time is configurable for the application.
Can FBM207C be used as a redundant pair?	Yes. The documented architecture supports single or paired modules with the appropriate adapter and control blocks.

Product precautions and questions

EIGHT MODEL-SPECIFIC PRECAUTIONS

01	Match the complete FBM207C P0917GY marking to the work order and installed position before removal.
02	Confirm the matching contact-sense termination assembly and redundant module Fieldbus before disconnecting any interface.
03	Keep 48 V dc dry-contact or solid-state switch states within the documented electrical or pneumatic range.
04	Record terminal designations, polarity, common, shield and cable routing before disconnection.
05	Inspect mounting, connector keying, terminal condition and retention hardware before installation.
06	Restore the controlled database, range, alarm, filter and fail-state settings before energization.
07	Review local indicators and controller diagnostics during the controlled startup sequence.
08	Prove the intended response across sixteen discrete input channels and record the acceptance result before release.

FREQUENTLY ASKED TECHNICAL QUESTIONS

Which voltage execution is identified by FBM207C P0917GY?	FBM207C is the 48 V dc contact-sense version.
How many discrete points are monitored?	Sixteen contact-sense input channels are provided.
Which control programs can use the inputs?	Discrete Input, Ladder Logic, Pulse Count and Sequence of Events programs are supported.
How is input filtering handled?	The input filter time is configurable for the application.

IMPORTANT NOTICE	Use FBM207C P0917GY only with the matching contact-sense termination assembly and redundant module Fieldbus; verify every interface and the controlled project configuration before energizing or pressurizing the subsystem.

RELEASE CHECKLIST

Identity accepted	The complete product marking and assigned system position agree.
Interfaces accepted	Connections, retention and controlled configuration match the recorded condition.
Response accepted	Diagnostics and the intended technical response have been documented.

FAQ, source record and related models

ADDITIONAL TECHNICAL QUESTIONS

Can FBM207C be used as a redundant pair?	Yes. The documented architecture supports single or paired modules with the appropriate adapter and control blocks.
What status should be observed locally?	Front LEDs indicate module operation and the discrete state of individual input points.
What must be doubled in a redundant contact-sense arrangement?	The input current is doubled and contact-sense power is diode-ORed through the redundant adapter.
What proves each point after replacement?	Operate every connected contact, verify the channel indication, sequence/event behavior where used and the controller quality state.

MANUFACTURER EVIDENCE RECORD

Manufacturer source	Schneider Electric, Foxboro Evo FBM207/b/c Voltage Monitor/Contact Sense Input Modules, PSS 31H-2Z7.
Evidence boundary	Technical statements are limited to the identified product or applicable manufacturer family.
Selection control	Use the complete ordering string and verify the installed system before purchase or installation.

RELATED MODELS ON APTERPOWER

GE IC697CPM915	Related product reference. Review the complete ordering string before selection.
GE IC697HSC700	Related product reference. Compare the required interface and system position.
GE IC697MDL340	Related product reference. Confirm the execution independently for the intended task.

APTERPOWER SALES TEAM
WhatsApp / Phone: +86 180 3023 5313
Email: sales13@apterpower.com
Scan the approved WhatsApp code for model-specific support.