FBM230 P0926GU

Field Device System Integrator Module

The FBM230 is a field-device system integrator in the I/A Series. Its four serial ports permit an engineered host configuration to exchange data with compatible external devices, with each port configured for the connected protocol and electrical interface.

Identity and engineering context

The P0926GU order identity belongs to the FBM230 module. Its serial interfaces support RS-232, RS-422 and RS-485 arrangements described by the manufacturer. The selected port wiring, data rate and protocol must agree with the field device and control configuration.

Technical capability map

System role

Field-device system integration

Serial ports

Four independently configurable ports

Electrical interfaces

RS-232, RS-422 or RS-485 by configuration

Host family

Foxboro I/A Series

Mounting

Compatible FBM baseplate

Order identity

P0926GU

The module mounts on a compatible baseplate. Before replacement, preserve the installed port map, cable pinouts, communication parameters and host software configuration; then check each connected link and its mapped data points.

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Applications and compatibility

Serial device integration

Exchange configured data with a supported serial field device through one of the FBM230 ports.

Protocol gateway service

Map supported device messages into the control-system database through the engineered protocol configuration.

Multiple-device links

Use separate ports for distinct devices when the installed firmware and project support the intended mapping.

Module replacement

Restore the original port assignments and verify device communications after fitting a matching module.

Engineering precautions

01 Preserve port mapping

Record each connector, device and protocol before removal.

02 Check the interface

Match RS-232, RS-422 or RS-485 wiring to the configured port.

03 Capture serial settings

Save baud rate, parity, framing and device address where applicable.

04 Review baseplate

Confirm the slot, power and host firmware support the installed module.

05 Protect communication

Plan process-safe behavior while field-device data are unavailable.

06 Test mapped points

Verify each live value and diagnostic after commissioning.

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Service decisions and documentation

How are the four serial ports on FBM230 P0926GU configured for different devices?

Treat each port as an engineered connection. Restore its protocol driver, electrical interface, serial framing and data-point mapping from the approved control project.

What records are needed before replacing FBM230 P0926GU?

Keep the original port-to-device map, cable pinouts, serial parameters, protocol files and current communication diagnostics.

Does FBM230 P0926GU convert every serial protocol automatically?

No. A suitable configured driver and host database are needed for each supported device protocol.

How should cable shielding be handled for FBM230 P0926GU?

Follow the approved site and manufacturer wiring plan for the selected serial interface; avoid assuming one grounding rule suits all ports.

Can FBM230 P0926GU be connected to an RS-485 multidrop segment without design review?

Review bus topology, termination, biasing, addressing and supported protocol before joining a multidrop segment.

Why might a device remain offline after FBM230 P0926GU is recognized by the host?

Check the selected port, cable, interface standard, framing, station address and protocol mapping before concluding that the module is faulty.

What acceptance test follows installation of FBM230 P0926GU?

Confirm host recognition, each port link, valid exchanged values and alarm or stale-data behavior for all connected devices.

When is an alternate FBM230 revision suitable for FBM230 P0926GU?

Compare the complete order identity, firmware, baseplate and protocol configuration with the approved replacement list before substitution.

Technical basis: Foxboro PSS 41H-2S230 Rev B.

Related Foxboro service parts

- Foxboro FBM218 P0922VW
- Foxboro P0922AE
- Foxboro FBM1/37/43 P0400HH

Technical enquiry

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