P0931RM

System position and pre-work record

P0931RM is a Foxboro Type 1 P/PVC termination cable for a documented 200-series FBM-to-termination-assembly connection. Its role is the interconnecting cable, not an I/O module or terminal assembly.

Identity and connection boundary

The manufacturer lists a 2.0 m length for this order code. The Type 1 construction includes a polyurethane outer jacket and semi-rigid PVC insulation; cable selection must retain the specified termination arrangement and connector mapping.

Verified component data

Cable type

Type 1 P/PVC

Catalog length

2.0 m

Outer jacket

Polyurethane

Conductor insulation

Semi-rigid PVC

Application

200-series FBM termination connection

Successor reference

RH931RM in later Foxboro material

Safe-work boundary

Record the installed revision, wiring and configuration. Place affected functions in the approved maintenance state before disconnecting hardware.

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Installation and replacement sequence

01 Match cable type

Confirm Type 1 P/PVC on the installed cable schedule.

02 Check both ends

Record connector and assembly markings before removal.

03 Protect the route

Avoid pinch points, sharp bends and unsuitable cable separation.

04 Inspect strain relief

Ensure connectors are secured without loading contacts.

05 Isolate affected I/O

Control process consequences before cable disconnection.

06 Verify points

Test each channel served by the replacement cable.

Before replacement, identify both mating devices and the existing routing path. A cable with a similar shape or length is not necessarily the same termination-cable type.

Initial diagnostic decisions

What makes P0931RM different from P0931RQ?

P0931RM is documented as Type 1 P/PVC, while P0931RQ is Type 4 26 AWG P/PVC. Preserve the specified cable type for the installed FBM and termination assembly.

Does the 2.0 m catalog length of P0931RM permit arbitrary cabinet routing?

No. Maintain connector support, bend protection and the approved enclosure routing path.

How is a possible open conductor in P0931RM diagnosed?

Isolate the affected I/O, compare continuity and connector seating with the approved wiring schedule, then test the field point.

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Commissioning questions and decisions

Can P0931RM substitute for any 200-series FBM cable?

No. The cable type and mating FBM/termination assembly must match the documented system arrangement.

What should be recorded before removing P0931RM?

Record both endpoint part numbers, connector orientation, route and affected channel list.

Why does P0931RM need a controlled return to service?

One cable can carry several I/O channels; verify every affected point and alarm after reconnection.

Does RH931RM automatically fit in place of P0931RM?

Later Foxboro material lists it as a successor reference, but the installed mating hardware and cable route still require review.

What damage should be checked on P0931RM?

Inspect jacket cuts, crushing, connector latch wear, pin damage and strain-relief condition.

Technical basis: Foxboro PSS 21H-2Z22 B4.

Related Foxboro service parts

Foxboro FBM218 P0922VW

Foxboro P0922AE

Foxboro FBM1/37/43 P0400HH

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