P0931RQ

System position and pre-work record

P0931RQ is a Foxboro Type 4 P/PVC termination cable in the 200-series I/O termination system. It joins the appropriate FBM and termination assembly; it does not process I/O signals itself.

Identity and connection boundary

The catalog specifies 26 AWG conductors and a 2.0 m cable length for this code. The Type 4 designation distinguishes it from other P/PVC termination cables, including the separately specified Type 1 P0931RM.

Verified component data

Cable type

Type 4 P/PVC

Conductor size

26 AWG

Catalog length

2.0 m

Application

200-series I/O termination

Role

FBM-to-termination-assembly interconnect

Safe-work boundary

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

P0931RQ

Installation and replacement sequence

01 Read cable marking

Confirm P0931RQ and Type 4 before fitting.

02 Verify endpoints

Match the FBM and termination assembly connection plan.

03 Inspect connectors

Check pins, shells and strain relief.

04 Protect cable path

Avoid crushing, sharp edges and unsuitable bend radius.

05 Control process state

Isolate affected I/O before disconnection.

06 Test all channels

Check continuity and host indication after service.

Replacement decisions must compare the installed cable type, connector pair and host termination plan. Preserve the existing route and verify each channel that passes through the cable after reconnecting.

Initial diagnostic decisions

Why is P0931RQ not interchangeable with P0931RM on length alone?

The two codes identify different termination-cable types; P0931RQ is Type 4, 26 AWG, while P0931RM is Type 1.

What does a multi-channel fault after changing P0931RQ suggest?

Check connector seating, cable orientation, mating termination hardware and the complete cable path.

What records should be kept for P0931RQ replacement?

Retain both endpoint markings, cabinet routing, cable type and list of affected channels.

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Commissioning questions and decisions

Can P0931RQ be extended by joining two cables?

A joined extension is not established by the catalog description. Use the approved I/O termination design and specified length.

How should P0931RQ be inspected before energizing?

Check the 26 AWG cable jacket, termination ends, strain relief and pin alignment.

Does P0931RQ determine the FBM channel function?

No. Channel function is defined by the paired FBM and control configuration; this item is an interconnect.

What is the commissioning test for P0931RQ?

Verify each affected point at its field termination and host indication after connection.

How should electromagnetic interference be considered for P0931RQ?

Preserve the designed cable route and separation from power wiring; follow the installed system grounding plan.

Technical basis: Foxboro PSS 21H-2Z42 B4.

Related Foxboro service parts

Foxboro FBM218 P0922VW

Foxboro P0922AE

Foxboro FBM1/37/43 P0400HH

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