Emerson PR6423/000-000 CON011

8 mm Eddy Current Sensor and Hardened Panel Converter Set / Exact identity and technical profile

This reference isolates the published characteristics and engineering boundary of Emerson PR6423/000-000 CON011 without importing values from a neighboring suffix.

Sensor	PR6423/000-000
Converter	CON011
Probe class	8 mm
Thread	M10 x 1
Armor	None
Sleeve length	25 mm

TECHNICAL MARKER

8 mm eddy-current probe

TECHNICAL MARKER

25 mm M10 unarmored sleeve

TECHNICAL MARKER

4 m Lemo cable

TECHNICAL MARKER

Hardened CON011 converter

Technical boundary

The exact model and its published data govern this reference. Similar family names, suffixes or physical appearance do not establish the same electrical or software behavior.

Identity evidence	Read PR6423/000-000 CON011 from the installed label and procurement record
Function evidence	Confirm the published 8 mm eddy current sensor and hardened panel converter set role in the EPRO PR6423 / CON011 system
Configuration evidence	Retain the project, mapping, range, address or interface assigned to this position
Release evidence	Link final diagnostics to a witnessed field or operator response

TECHNICAL DECISION

Accept PR6423/000-000 CON011 only when its identifier and installed-system role agree.

CHANGE BOUNDARY

Any redesign beyond the documented PR6423/000-000 CON011 position requires separate engineering approval.

Emerson PR6423/000-000 CON011

8 mm Eddy Current Sensor and Hardened Panel Converter Set / Published characteristics

This matrix groups the published PR6423/000-000 CON011 characteristics that control identification, configuration and engineering review. Each entry remains tied to the exact 8 mm eddy current sensor and hardened panel converter set record.

Sensor	PR6423/000-000
Converter	CON011
Probe class	8 mm
Thread	M10 x 1
Armor	None
Sleeve length	25 mm
Cable length	4 m
Cable end	Lemo
Initial gap	0.5 mm
Minimum shaft diameter	25 mm

INTERPRETATION

Use every PR6423/000-000 CON011 value with the exact installed configuration.

DESIGN RECORD

Retain the drawing, project and channel or interface assignments that make PR6423/000-000 CON011 data actionable.

Nameplate check	Manufacturer and full reference agree with the controlled record
Range check	Published operating or signal data agree with the configured use
Interface check	Backplane, terminal, cable, network or memory arrangement is documented
Limit check	Loading, channel count, supply or lifecycle constraint is reviewed
Evidence close	Source title and applicable product record are retained with the decision

NO BORROWED VALUES

Another Emerson suffix cannot fill a missing PR6423/000-000 CON011 parameter.

ENGINEERING OUTPUT

Record the exact value used, its purpose and any unresolved item before selection.

Emerson PR6423/000-000 CON011

8 mm Eddy Current Sensor and Hardened Panel Converter Set / System role and data flow

Harsh-area shaft monitoring

Uses the hardened converter for a documented radial-vibration channel.

Small-shaft position sensing

Measures displacement where the minimum target diameter is satisfied.

Bearing-housing installations

Mounts the compact M10 probe in the approved bracket or housing.

Exact spare restoration

Returns a four-metre Lemo sensor chain to its recorded converter.

Signal and configuration path

Field layer	Sensors, loads, terminal or operator interface assigned by the design
Module layer	PR6423/000-000 CON011 performs its published 8 mm eddy current sensor and hardened panel converter set role
Control layer	PLC project, address map or runtime application interprets the exchanged data
Acceptance layer	Diagnostics and intended process response are witnessed together

Engineering boundary

Application examples describe system roles only. They do not establish automatic interchangeability, replacement approval or suffix equivalence.

Observed input	Field, network or operator condition presented to PR6423/000-000 CON011
Published action	The documented 8 mm eddy current sensor and hardened panel converter set function processes that condition
Configured interpretation	PLC logic, HMI project or station mapping assigns system meaning
Expected output	A defined state, value, message or command is produced
Acceptance proof	The complete path is witnessed under controlled conditions

APPLICATION RECORD

Tie each PR6423/000-000 CON011 use case to the installed drawing or project tag.

EXCEPTION CONTROL

Document and resolve any behavior that differs from the approved response.

Emerson PR6423/000-000 CON011

8 mm Eddy Current Sensor and Hardened Panel Converter Set / Engineering decisions

SUPPORTED IDENTITY

PR6423/000-000 CON011

PUBLISHED FUNCTION

8 mm Eddy Current Sensor and Hardened Panel Converter Set

SYSTEM CONTEXT

EPRO PR6423 / CON011

UNSUPPORTED INFERENCE

A nearby model, suffix or family resemblance

Model-specific questions

How is the probe body configured on Emerson PR6423/000-000 CON011?

It is an unarmored M10 x 1 probe with a 25 mm sleeve.

Which cable end is used by Emerson PR6423/000-000 CON011?

The cable terminates in the documented Lemo connector.

What minimum shaft diameter is specified for Emerson PR6423/000-000 CON011?

The manufacturer lists 25 mm minimum shaft diameter.

What should be checked after mounting Emerson PR6423/000-000 CON011?

Confirm bracket rigidity, thread engagement, target condition, initial gap and unrestricted cable routing.

What cable length belongs to Emerson PR6423/000-000 CON011?

The exact code specifies a four-metre cable.

What initial gap is listed for Emerson PR6423/000-000 CON011?

The PR6423 specification gives an initial gap of 0.5 mm for the standard range.

Why is CON011 important to Emerson PR6423/000-000 CON011?

The hardened panel converter is part of the calibrated sensor chain and conditions the probe signal.

How is Emerson PR6423/000-000 CON011 released to service?

Verify the converter output over controlled target movement and confirm correct channel indication and alarm direction.

Decision closeout

Close the PR6423/000-000 CON011 technical review with the exact identifier, applicable published limits and the installed configuration assumptions explicitly recorded.

Question coverage	Identity, function, configuration and field handling addressed
Open item	Any unanswered exact-model point is listed without guessed data
Decision owner	Responsible engineering or maintenance role identified
Supporting record	Drawing, project revision, readings and witnessed result attached

APPROVAL

The PR6423/000-000 CON011 decision is accepted only within the documented scope.

REVIEW TRIGGER

A different suffix, wiring arrangement, project or application requires a new review.

Emerson PR6423/000-000 CON011

8 mm Eddy Current Sensor and Hardened Panel Converter Set / Evidence and support

Exact product	Emerson PR6423/000-000 CON011
Technical class	8 mm Eddy Current Sensor and Hardened Panel Converter Set
Platform	EPRO PR6423 / CON011
Evidence use	Exact-model characteristics and engineering boundary
Record with	Installed drawing, project and acceptance evidence

Retained evidence	Nameplate, source title, configuration baseline and field record
Installation evidence	Isolation, conductor/connector record and post-work inspection
Commissioning evidence	Diagnostics, measurements and intended response
Final record	Responsible witness, date, exceptions and approved disposition

VERIFIED APTER POWER CATALOG REFERENCES

Navigation only; compatibility, substitution and manufacturer endorsement are not implied.

Emerson 396P 08 10 55	View Emerson 396P 08 10 55 page
Emerson KJ3002X1 BG2 12P1731X062	View Emerson KJ3002X1 BG2 12P1731X062 page

MANUFACTURER EVIDENCE RECORD

Emerson PR6423 8 mm Sensor and CON011 Signal Converter Data Sheets

Manufacturer specifications and hardened converter reference

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Send the exact model, quantity, destination and requested condition for a quotation.