Emerson PR6423/012-100 CON011

Armored 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 PR6423/012-100 CON011 without importing values from a neighboring suffix.

Sensor	PR6423/012-100
Converter	CON011
Probe class	8 mm
Thread	M10 x 1
Cable armor	Yes
Sleeve length	45 mm

TECHNICAL MARKER

Armored M10 probe

TECHNICAL MARKER

45 mm sleeve

TECHNICAL MARKER

No adaptor plug

TECHNICAL MARKER

4 m Lemo cable

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 PR6423/012-100 CON011 from the installed label and procurement record
Function evidence	Confirm the published armored 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 PR6423/012-100 CON011 only when its identifier and installed-system role agree.

CHANGE BOUNDARY

Any redesign beyond the documented PR6423/012-100 CON011 position requires separate engineering approval.

Emerson PR6423/012-100 CON011

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

This matrix groups the published PR6423/012-100 CON011 characteristics that control identification, configuration and engineering review. Each entry remains tied to the exact armored 8 mm eddy current sensor and hardened panel converter set record.

Sensor	PR6423/012-100
Converter	CON011
Probe class	8 mm
Thread	M10 x 1
Cable armor	Yes
Sleeve length	45 mm
Adaptor plug	Not supplied
Cable length	4 m
Cable end	Lemo
Target material	42CrMo4 / AISI 4140

INTERPRETATION

Use every PR6423/012-100 CON011 value with the exact installed configuration.

DESIGN RECORD

Retain the drawing, project and channel or interface assignments that make PR6423/012-100 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 PR6423/012-100 CON011 parameter.

ENGINEERING OUTPUT

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

Emerson PR6423/012-100 CON011

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

Longer-reach probe mounting

Places the sensing tip through the documented 45 mm sleeve arrangement.

Protected cable routes

Uses armor where the approved installation requires mechanical protection.

Turbomachinery displacement

Measures radial or axial movement through a hardened converter channel.

Outage replacement

Restores an exact armored, no-adaptor sensor execution.

Signal and configuration path

Field layer	Sensors, loads, terminal or operator interface assigned by the design
Module layer	PR6423/012-100 CON011 performs its published armored 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 PR6423/012-100 CON011
Published action	The documented armored 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 PR6423/012-100 CON011 use case to the installed drawing or project tag.

EXCEPTION CONTROL

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

Emerson PR6423/012-100 CON011

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

SUPPORTED IDENTITY

PR6423/012-100 CON011

PUBLISHED FUNCTION

Armored 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

What distinguishes the probe construction of Emerson PR6423/012-100 CON011?

It uses an armored M10 probe with a 45 mm sleeve.

Which cable length is encoded by Emerson PR6423/012-100 CON011?

The code specifies a four-metre cable.

Which calibration target applies to Emerson PR6423/012-100 CON011?

Published sensor data use 42CrMo4, equivalent to AISI 4140.

What handling precaution is specific to Emerson PR6423/012-100 CON011?

Do not twist, crush or use the armored cable as a support for the probe.

Is an adaptor plug supplied with Emerson PR6423/012-100 CON011?

No. The first post-hyphen digit identifies the no-adaptor execution.

How is the cable terminated on Emerson PR6423/012-100 CON011?

The cable uses a Lemo connector.

Why must the sleeve reach be recorded for Emerson PR6423/012-100 CON011?

The 45 mm mechanical execution determines sensing-tip position and available adjustment.

What completes commissioning of Emerson PR6423/012-100 CON011?

Confirm mechanical depth and gap, then verify converter output, polarity and the complete monitor response.

Decision closeout

Close the PR6423/012-100 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 PR6423/012-100 CON011 decision is accepted only within the documented scope.

REVIEW TRIGGER

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

Emerson PR6423/012-100 CON011

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

Exact product	Emerson PR6423/012-100 CON011
Technical class	Armored 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 PR6423 00R 101 CON031	View Emerson PR6423 00R 101 CON031 page
Emerson KJ4001X1 NB1 12P3368X012	View Emerson KJ4001X1 NB1 12P3368X012 page

MANUFACTURER EVIDENCE RECORD

Emerson PR6423 8 mm Sensor and CON011 Signal Converter Data Sheets

Manufacturer specifications and ordering matrix

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