Emerson PR6423/004-111 CON041

Long-Sleeve 8 mm Eddy Current Sensor and DIN-Rail Converter Set / Exact identity and technical profile

This reference isolates the published characteristics and engineering boundary of Emerson PR6423/004-111 CON041 without importing values from a neighboring suffix.

Sensor	PR6423/004-111
Converter	CON041
Probe class	8 mm
Thread	M10 x 1
Armor	None
Sleeve length	65 mm

TECHNICAL MARKER

65 mm sensor sleeve

TECHNICAL MARKER

M10 x 1 unarmored probe

TECHNICAL MARKER

5 m open-ended cable

TECHNICAL MARKER

No adaptor plug

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 PR6423/004-111 CON041 from the installed label and procurement record
Function evidence	Confirm the published long-sleeve 8 mm eddy current sensor and din-rail converter set role in the EPRO PR6423 / CON041 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 PR6423/004-111 CON041 only when its identifier and installed-system role agree.

CHANGE BOUNDARY

Any redesign beyond the documented PR6423/004-111 CON041 position requires separate engineering approval.

Emerson PR6423/004-111 CON041

Long-Sleeve 8 mm Eddy Current Sensor and DIN-Rail Converter Set / Published characteristics

This matrix groups the published PR6423/004-111 CON041 characteristics that control identification, configuration and engineering review. Each entry remains tied to the exact long-sleeve 8 mm eddy current sensor and din-rail converter set record.

Sensor	PR6423/004-111
Converter	CON041
Probe class	8 mm
Thread	M10 x 1
Armor	None
Sleeve length	65 mm
Adaptor plug	Not supplied
Cable length	5 m
Cable end	Open
Sensor protection	IP66

INTERPRETATION

Use every PR6423/004-111 CON041 value with the exact installed configuration.

DESIGN RECORD

Retain the drawing, project and channel or interface assignments that make PR6423/004-111 CON041 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 PR6423/004-111 CON041 parameter.

ENGINEERING OUTPUT

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

Emerson PR6423/004-111 CON041

Long-Sleeve 8 mm Eddy Current Sensor and DIN-Rail Converter Set / System role and data flow

Deep housing penetration

Uses the 65 mm sleeve to reach a prepared shaft target.

DIN-rail cabinet conversion

Connects the open cable to CON041 in the monitored cabinet.

Radial shaft vibration

Measures relative motion with the long probe held by a rigid mount.

Axial displacement service

Tracks thrust movement where the mechanical reach is documented.

Signal and configuration path

Field layer	Sensors, loads, terminal or operator interface assigned by the design
Module layer	PR6423/004-111 CON041 performs its published long-sleeve 8 mm eddy current sensor and din-rail 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 PR6423/004-111 CON041
Published action	The documented long-sleeve 8 mm eddy current sensor and din-rail 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 PR6423/004-111 CON041 use case to the installed drawing or project tag.

EXCEPTION CONTROL

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

Emerson PR6423/004-111 CON041

Long-Sleeve 8 mm Eddy Current Sensor and DIN-Rail Converter Set / Engineering decisions

SUPPORTED IDENTITY

PR6423/004-111 CON041

PUBLISHED FUNCTION

Long-Sleeve 8 mm Eddy Current Sensor and DIN-Rail Converter Set

SYSTEM CONTEXT

EPRO PR6423 / CON041

UNSUPPORTED INFERENCE

A nearby model, suffix or family resemblance

Model-specific questions

Which sleeve length is specified for Emerson PR6423/004-111 CON041?

The 004 execution uses a 65 mm sleeve.

Is the probe cable armored on Emerson PR6423/004-111 CON041?

No. The base code identifies the unarmored execution.

How long is the open cable on Emerson PR6423/004-111 CON041?

The documented cable length is five metres.

Which mechanical risk is important for Emerson PR6423/004-111 CON041?

The 65 mm sleeve must be protected from bending and supported by a rigid, correctly aligned mounting point.

What thread is used by Emerson PR6423/004-111 CON041?

The probe body uses an M10 x 1 thread.

Is an adaptor plug part of Emerson PR6423/004-111 CON041?

No. The post-hyphen code specifies no adaptor plug.

What ingress protection is published for Emerson PR6423/004-111 CON041?

The PR6423 sensor specification lists IP66 protection.

What proves commissioning of Emerson PR6423/004-111 CON041?

Confirm final insertion depth and gap, then verify scale, polarity, dynamic response and alarm action through CON041.

Decision closeout

Close the PR6423/004-111 CON041 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 PR6423/004-111 CON041 decision is accepted only within the documented scope.

REVIEW TRIGGER

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

Emerson PR6423/004-111 CON041

Long-Sleeve 8 mm Eddy Current Sensor and DIN-Rail Converter Set / Evidence and support

Exact product	Emerson PR6423/004-111 CON041
Technical class	Long-Sleeve 8 mm Eddy Current Sensor and DIN-Rail Converter Set
Platform	EPRO PR6423 / CON041
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 KC3010X1 BA1 12P6762X062	View Emerson KC3010X1 BA1 12P6762X062 page
Emerson 1X01046H01L	View Emerson 1X01046H01L page

MANUFACTURER EVIDENCE RECORD

Emerson PR6423 8 mm Sensor and CON041 Signal Converter Data Sheets

Manufacturer specifications and long-sleeve ordering matrix

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