Emerson CON041 PR6424/000-121

16 mm Eddy Current Sensor and DIN-Rail Converter Set / Product dashboard

This consolidated record keeps Emerson CON041 PR6424/000-121 identity, technical limits, applications, precautions and acceptance evidence on one review surface.

IDENTITY

Emerson CON041 PR6424/000-121

PRODUCT ROLE

16 mm Eddy Current Sensor and DIN-Rail Converter Set

PLATFORM

EPRO PR6424 / CON041

CONTROL BASIS

Exact evidence plus installed-system record

Sensor model	PR6424/000-121
Converter	CON041
Probe diameter class	16 mm
Thread	M18 x 1.5
Probe armor	None
Cable length	6 m

The dashboard places CON041 PR6424/000-121 identity, operating role and maintenance boundaries in one review surface for the EPRO PR6424 / CON041 installation.

Dashboard boundary

This overview supports identification and maintenance planning; it does not declare compatibility with a neighboring model or approve a redesign.

Emerson CON041 PR6424/000-121

16 mm Eddy Current Sensor and DIN-Rail Converter Set / Technical matrix

Sensor model	PR6424/000-121
Converter	CON041
Probe diameter class	16 mm
Thread	M18 x 1.5
Probe armor	None
Cable length	6 m
Cable end	Open
Nominal sensitivity	4 V/mm
Static measuring range	+/-2 mm
Target material	42CrMo4 / AISI 4140

DATA USE

Values support exact-model identification and configuration review.

LIMIT CONTROL

Electrical, software and loading limits remain subject to the installed design.

RECORD SOURCE

Emerson PR6424 16 mm Sensor and CON041 Signal Converter Data Sheets

REVISION NOTE

Manufacturer specifications and legacy ordering matrix

Emerson CON041 PR6424/000-121

16 mm Eddy Current Sensor and DIN-Rail Converter Set / Application architecture

Large-shaft radial vibration

Measures dynamic shaft motion on machines meeting the target and diameter requirements.

Axial position monitoring

Tracks non-contact displacement at a prepared shaft or collar target.

Turbine protection channels

Feeds the DIN-rail converter output to the documented monitoring input.

Outage sensor renewal

Restores the exact six-metre open-ended probe execution and converter pairing.

Input to decision	Exact label plus manufacturer evidence
Installed context	Rack, terminal, network, project and connected process
Change control	Approved scope and retained configuration baseline
Proof	Diagnostic state plus witnessed functional result

Within the EPRO PR6424 / CON041 context, CON041 PR6424/000-121 must be reviewed together with its assigned project data, field interfaces and the maintenance acceptance record.

Emerson CON041 PR6424/000-121

16 mm Eddy Current Sensor and DIN-Rail Converter Set / Risk and decision register

PRIMARY RISK

A mismatch between the CON041 PR6424/000-121 label and the installed 16 mm eddy current sensor and din-rail converter set record.

CONFIGURATION RISK

Loss of the CON041 PR6424/000-121 project, mapping, wiring or interface baseline.

SELECTION RISK

Treating another EPRO PR6424 / CON041 item as automatically equivalent to CON041 PR6424/000-121.

RELEASE RISK

Returning CON041 PR6424/000-121 to control before diagnostics and functional response are witnessed.

Decision register

Which probe diameter class is used by Emerson CON041 PR6424/000-121?

The PR6424 belongs to the 16 mm eddy-current sensor class.

How long is the probe cable on Emerson CON041 PR6424/000-121?

The legacy manufacturer order code identifies a six-metre cable.

What nominal sensitivity applies to Emerson CON041 PR6424/000-121?

The PR6424 system specification lists 4 V/mm nominal sensitivity.

Why must Emerson CON041 PR6424/000-121 remain a matched channel?

Probe geometry, cable execution, converter electronics and target setup together determine the calibrated response.

What mounting thread applies to Emerson CON041 PR6424/000-121?

The exact 000 execution uses an M18 x 1.5 unarmored probe body.

Which cable termination is supplied on Emerson CON041 PR6424/000-121?

The final code 1 identifies an open cable end for converter termination.

Which target material is used to calibrate Emerson CON041 PR6424/000-121?

The published reference target is 42CrMo4, equivalent to AISI 4140.

What completes commissioning of Emerson CON041 PR6424/000-121?

Confirm static gap, output direction, displacement response, dynamic signal and the configured monitor alarms.

Decision closeout

Approve the CON041 PR6424/000-121 decision register only when identity, configuration, diagnostics and observed process behavior tell one consistent story.

Emerson CON041 PR6424/000-121

16 mm Eddy Current Sensor and DIN-Rail Converter Set / Canonical record and support

Canonical identity	Emerson CON041 PR6424/000-121
Product name	16 mm Eddy Current Sensor and DIN-Rail Converter Set
Family	EPRO PR6424 / CON041
Selection boundary	Exact identity; no neighboring-model inference
Release boundary	Installed record plus witnessed functional proof

VERIFIED APTER POWER CATALOG REFERENCES

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

Emerson CON021	View Emerson CON021 page
Emerson KJ3003X1 EA1	View Emerson KJ3003X1 EA1 page

MANUFACTURER EVIDENCE RECORD

Emerson PR6424 16 mm Sensor and CON041 Signal Converter Data Sheets

Manufacturer specifications and legacy ordering matrix

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