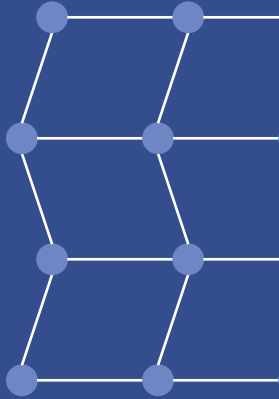


MANUFACTURER-SOURCE TECHNICAL REFERENCE

Emerson PR6426/000-131 CON041

Product Reference

Emerson PR6426/000-131 CON041 eddy current sensor and DIN-rail converter configuration

**DOCUMENT SCOPE**

Independent Apter Power manual compiled only from the cited Emerson manufacturer sources. No product photograph is included.

Product / lookup identity	Emerson PR6426/000-131 CON041
Reference number	PR6426/000-131 CON041
Document basis	Published Emerson product records, PDFs, and manuals listed on page 3

**Product page**

<https://www.apterpower.com/Emerson/pr6426-000-131-con041>

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Product role and published parameters

WHAT IT IS, WHAT IT DOES, AND WHERE IT FITS

Emerson PR6426/000-131 CON041 is an evidence-bounded eddy current sensor and DIN-rail converter configuration in the EPRO machinery monitoring installed-base context. System role: The PR6426 sensor and CON041 converter form a non-contact shaft-displacement measurement chain for critical turbomachinery. System context: Emerson PR6426/000-131 CON041 eddy current sensor and DIN-rail converter configuration.

Published field	Manufacturer-published value or verified identity note
Exact requested pair	PR6426/000-131 with CON041
Sensor configuration	No thread; no protective hose; 80 x 40 mm mounting plate; no intermediate connector; 8 m total cable; open cable end
PR6426 sensitivity	2 V/mm +/-1.5% max.
Standard measuring span	8.0 mm full span (+/-4.0 mm sensor range)
CON041 frequency range	0 to 20,000 Hz (-3 dB)
CON041 mounting / protection	DIN rail; IP20
CON041 operating temperature	-30 to 100 deg C

System function and signal path

01	System Inputs: The PR6426 sensor and CON041 converter form a non-contact shaft-displacement measurement chain for critical turbomachinery.
02	Processing: The PR6426 family provides an 8 mm standard full measuring span around a nominal 5.5 mm gap; the standard CON041 row lists PR6426 with an 8.0 mm measuring range and up to 1.5% linearity error.

Applications, answers, and official sources

1 Installed-base maintenance: Supports evidence-led identification and replacement planning for Emerson PR6426/000-131 CON041.

2 System documentation: Provides a source-traceable boundary for rack, network, I/O and termination records.

3 Commissioning review: Guides pre-power checks, companion-module verification and controlled functional testing.

4 Migration assessment: Separates exact-model facts from successor, sibling and family-level information.

Frequently asked questions

What is Emerson PR6426/000-131 CON041?	It is an Emerson eddy current sensor and DIN-rail converter configuration; this page is limited to the exact evidence boundary stated in the cited Emerson sources.
Is the exact model identity verified?	Verified Sensor Configuration And Converter Compatibility.
What is its system role?	The PR6426 sensor and CON041 converter form a non-contact shaft-displacement measurement chain for critical turbomachinery.
Which system family is documented?	Emerson EPRO machinery monitoring installed-base architecture, subject to the exact source boundary.
Are related models automatic substitutes?	No. A sibling, SP/IN generation, repair code or evolution path is not an alias or unconditional drop-in approval.
Must the physical nameplate be checked?	Yes. Verify the model, revision, firmware and all order or repair suffixes.

Official Emerson sources

Emerson PR6426 32 mm Eddy Current Sensor Data Sheet	https://www.emerson.com/is/content/emerson/de/systems-and-software/ams/forms-and-specs/documents/document-32-mm-wirbelstromsensor-pr-6426.pdf
Emerson CON041 Eddy Current Signal Converter	https://www.emerson.com/is/content/emerson/en/systems-and-software/ams/forms-and-specs/documents/eddy-current-signal-converter-con041.pdf