

MANUFACTURER-SOURCE TECHNICAL REFERENCE

Emerson PR6426/010-140

Product Reference

Emerson PR6426/010-140 32 mm eddy current sensor

DOCUMENT SCOPE

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

Product / lookup identity	Emerson PR6426/010-140
Reference number	PR6426/010-140
Document basis	Published Emerson product records, PDFs, and manuals listed on page 3



Product page

<https://www.apterpower.com/Emerson/pr6426-010-140>
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Product role and published parameters

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

Emerson PR6426/010-140 is an evidence-bounded 32 mm eddy current sensor in the EPRO machinery monitoring installed-base context. System role: The non-contact sensor measures radial or axial shaft displacement, position and eccentricity on critical turbomachinery. System context: Emerson PR6426/010-140 32 mm eddy current sensor.

Published field	Manufacturer-published value or verified identity note
Exact sensor code	PR6426/010-140
Sensor diameter	32 mm
Static measuring range	+/-4.0 mm
Sensitivity	2 V/mm +/-1.5% max.
Nominal gap	Approximately 5.5 mm
Minimum shaft diameter	200 mm
Configuration decode	No thread; protective hose; 80 x 40 mm mounting plate; no intermediate connector; 10 m total cable; LEMO end

System function and signal path

01	System Inputs: The non-contact sensor measures radial or axial shaft displacement, position and eccentricity on critical turbomachinery.
02	Processing: PR6426 is specified for large ferromagnetic shafts and requires a separately verified compatible signal converter; the LEMO cable-end configuration is associated with CON011 or CON021 in the Emerson sensor sheet.

Applications, answers, and official sources

1 Installed-base maintenance: Supports evidence-led identification and replacement planning for Emerson PR6426/010-140.

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 PR6426/010-140?	It is an Emerson 32 mm eddy current sensor; this page is limited to the exact evidence boundary stated in the cited Emerson sources.
Is the exact model identity verified?	Verified Exact Ordering Configuration.
What is its system role?	The non-contact sensor measures radial or axial shaft displacement, position and eccentricity on 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