

MANUFACTURER-SOURCE TECHNICAL REFERENCE

Epro PR6423/003-030 CON021

Product Reference

Emerson PR6423 eddy-current sensor and CON021 converter requested configuration

DOCUMENT SCOPE

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

Product / lookup identity	Epro PR6423/003-030 CON021
Reference number	PR6423/003-030
Document basis	Published Emerson product records, PDFs, and manuals listed on page 3



Product page

<https://www.apterpower.com/Epro/pr6423-003-030-con021>

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Product role and published parameters

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

Epro PR6423/003-030 CON021 is an evidence-bounded PR6423 eddy-current sensor and CON021 converter requested configuration. System role: The verified PR6423 base is used with a CON021 signal converter for non-contact displacement measurement; standard PR6423 measuring range is 2.0 mm. System context: Emerson PR6423 eddy-current sensor and CON021 converter requested configuration.

Published field	Manufacturer-published value or verified identity note
Verified sensor family	PR6423
Verified converter family	CON021
PR6423 standard measuring range	2.0 mm
Standard linearity	<= 1.0%
Requested PR6423/003-030 suffix	HOLD pending physical label / Emerson order record
Distinct extended converter	CON021/913-030: 3.0 mm; not inferred from the sensor suffix
Origin / HS / shipment weight	Not published for the requested full configuration

System function and signal path

01	System Inputs: The verified PR6423 base is used with a CON021 signal converter for non-contact displacement measurement; standard PR6423 measuring range is 2.0 mm.
02	Processing: Match the physical sensor suffix, cable, converter variant, target material, initial air gap, monitoring channel and calibration chain.

Applications, answers, and official sources

1 Installed-base maintenance: Supports evidence-led identification and replacement planning for Epro PR6423/003-030 CON021.

2 System documentation: Provides a source-traceable boundary for the documented EPRO eddy-current measurement chain configuration.

3 Commissioning review: Guides identity, companion-hardware, wiring and controlled functional checks before return to service.

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

Frequently asked questions

What is Epro PR6423/003-030 CON021?	It is an evidence-bounded PR6423 eddy-current sensor and CON021 converter requested configuration; this page is limited to the cited manufacturer evidence.
Is the exact identity verified?	Base Models Verified Exact Sensor Suffix Hold.
What is its system role?	The verified PR6423 base is used with a CON021 signal converter for non-contact displacement measurement; standard PR6423 measuring range is 2.0 mm.
Which installed-base context is documented?	EPRO eddy-current measurement chain.
Are related models automatic substitutes?	No. A sibling, repair code, suffix or engineering replacement is not an unconditional drop-in approval.
Must the physical label be checked?	Yes. Verify the model, revision, firmware and all order or configuration suffixes.

Official Emerson sources

Emerson CON021 data sheet	https://www.emerson.com/is/content/emerson/en/systems-and-software/ams/forms-and-specs/documents/eddy-current-signal-converter-con021.pdf
Emerson CON021 / CON031 installation guide	https://www.emerson.com/is/content/emerson/en/systems-and-software/ams/forms-and-specs/documents/con-021-and-con-031--converter-for-pr-642x-eddy-current-sensors.pdf