

MANUFACTURER-SOURCE TECHNICAL REFERENCE

Emerson PR6423/00R-101 CON031

PR6423/00R-101 CON031 Product Information Manual

Emerson PR6423/00R-101 CON031 8 mm Eddy Current Measuring Chain

DOCUMENT SCOPE

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

Product / lookup identity	Emerson PR6423/00R-101 CON031
Reference number	PR6423/00R-101 CON031
Document basis	Published Emerson product records, PDFs, and manuals listed on page 3

**Product page**

<https://www.apterpower.com/Emerson/pr6423-00r-101-con031>

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Workflow and system context

Emerson PR6423/00R-101 CON031 is an evidence-bounded 8 mm reverse-mount eddy current sensor and CON031 measuring-chain configuration in the Bailey INFI 90 / Harmony Rack installed-base context. System role: The calibrated sensor and CON031 converter measure static and dynamic distance, including axial displacement, radial vibration, position, eccentricity and speed-related key pulses on rotating machinery.

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| 01 | System Inputs: The calibrated sensor and CON031 converter measure static and dynamic distance, including axial displacement, radial vibration, position, eccentricity and speed-related key pulses on rotating machinery. |
| 02 | Processing: Sensor and converter are adjusted and delivered as a measuring chain; keep the matched sensor/converter identity, material calibration, supply and output range together. |

Published context and boundaries

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| 01 | Verify the complete Emerson PR6423/00R-101 CON031 nameplate, revision and installed-system documentation before use. |
| 02 | Do not substitute a LEMO-ended sensor for this open-ended CON031 connection, and do not treat a family-level hazardous-area approval as approval for the installed pair without checking both labels. |
| 03 | Current formal lifecycle phase, origin, HS code, dimensions and logistics weight remain HOLD without exact Emerson evidence. |

Verification and release checks

01	Verify the complete Emerson PR6423/00R-101 CON031 nameplate, revision and installed-system documentation before use.
02	Do not substitute a LEMO-ended sensor for this open-ended CON031 connection, and do not treat a family-level hazardous-area approval as approval for the installed pair without checking both labels.
03	De-energize and follow the site's approved electrical and process-safety procedure before disturbing hardware or field wiring.
04	Back up controller, network, I/O, addressing and configuration data before replacement or firmware work.
05	Verify every companion module, termination unit, cable, connector and power source from approved drawings.
06	Do not copy electrical, communication, mechanical or lifecycle values from a related model or successor.

Identity and release controls

Verification Status	Verified Exact Sensor Ordering Configuration And Con031 Compatibility
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Official Emerson sources

Emerson PR6423 8 mm Eddy Current Sensor Specifications	https://www.emerson.com/is/content/emerson/en/systems-and-software/ams/forms-and-specs/documents/pr6423-8mm-sensor.pdf
Emerson CON021 and 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