

PR6423 / CON031

Product Data Sheet

PR6423/014-111 CON031

Eddy current sensor system

FUNCTION Eddy current sensor system	FAMILY PR6423 / CON031	ORIGIN Germany	WEIGHT 0.4 kg
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Emerson PR6423/014-111 CON031 is a Eddy current sensor system for the PR6423 / CON031. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Probe Diameter	8 mm nominal
Measurement Principle	Eddy current displacement
Probe Variant	PR6423/014-111
Converter Type	CON031 signal converter
Target Material	Ferromagnetic steel
Probe Temperature	-35 to +180 °C
Brief Temperature	+200 °C maximum
Pressure Rating	10000 hPa sensor head
Output Signal	Conditioned gap voltage
Connection Method	Matched extension lead

ADDITIONAL PRODUCT DATA

Application	Shaft position monitoring
System Pairing	PR6423 with CON031
Cable Routing	Shielded low-noise path
Calibration	Probe-converter matching
Commissioning	Gap, scale and polarity test

OFFICIAL APPLICATIONS

- Use the documented probe diameter: Apply PR6423/014-111 CON031 where probe diameter is 8 mm nominal. Confirm the installed hardware, field circuit and configuration before connection.
- Match the specified probe variant: Verify probe variant as PR6423/014-111 together with the exact terminals, companion equipment and approved engineering record.
- Complete the commissioning: After installation, perform gap, scale and polarity test, review diagnostics and save the measured result before returning the equipment to service.

SYSTEM COMPATIBILITY

Match PR6423/014-111 CON031 to the installed PR6423 / CON031, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

Emerson product documentation

<https://www.emerson.com/en-us/support/documentation>

AMIKON PRODUCT SUPPORT

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