

PR6423 / CON041

Product Data Sheet

PR6423/001-121 CON041

Eddy current sensor system

FUNCTION Eddy current sensor system	FAMILY PR6423 / CON041	ORIGIN Germany	WEIGHT 0.2 kg
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Emerson PR6423/001-121 CON041 is a Eddy current sensor system for the PR6423 / CON041. The values below are limited to the exact documented article.

01

VERIFIED TECHNICAL DATA

Probe Diameter	8 mm nominal
Measurement Principle	Eddy current displacement
Standard Range	2.0 mm linear range
Converter Type	CON041 signal converter
Probe Variant	PR6423/001-121
Target Material	Ferromagnetic steel
Converter Weight	60 g
Linearity	≤1.0% standard range
Output Signal	Proportional voltage output
Probe Temperature	-35 to +180 °C

ADDITIONAL PRODUCT DATA

Pressure Rating	10000 hPa sensor head
Application	Shaft vibration measurement
System Pairing	Probe, lead and converter
Calibration	Matched converter setting
Commissioning	Static gap and dynamic test

OFFICIAL APPLICATIONS

- Use the documented probe diameter: Apply PR6423/001-121 CON041 where probe diameter is 8 mm nominal. Confirm the installed hardware, field circuit and configuration before connection.
- Match the specified standard range: Verify standard range as 2.0 mm linear range together with the exact terminals, companion equipment and approved engineering record.
- Complete the commissioning: After installation, perform static gap and dynamic test, review diagnostics and save the measured result before returning the equipment to service.

SYSTEM COMPATIBILITY

Match PR6423/001-121 CON041 to the installed PR6423 / CON041, 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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