

PR6423 EDDY-CURRENT SENSORS

Product Data Sheet

PR6423/03R-012-ZD

8 mm eddy-current sensor

FUNCTION 8 mm eddy-current sensor	FAMILY PR6423 eddy-current sensors	ORIGIN Germany	WEIGHT 0.10 kg
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Epro PR6423/03R-012-ZD is a 8 mm eddy-current sensor for the PR6423 eddy-current sensors. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Probe diameter	8 mm
Mounting style	Reverse mount
Linear measuring range	2 mm
Initial air gap	0.5 mm
Sensitivity	8 V/mm $\pm$ 5%
Linearity deviation	$\pm$ 0.025 mm
Minimum shaft diameter	25 mm
Reference target	42CrMo4 steel
Ingress protection	IP66
Sensor temperature	-35 to +180 °C

ADDITIONAL PRODUCT DATA

Cable temperature	-35 to +150 °C
Tip material	PEEK
Housing material	Stainless steel
Cable material	PTFE

OFFICIAL APPLICATIONS

- Shaft displacement and vibration measurement: Eddy Current Measurement Systems
- Compressor rotor position monitoring: Machinery Protection Systems
- Non-contact shaft movement measurement: Condition Monitoring Systems

SYSTEM COMPATIBILITY

Match PR6423/03R-012-ZD to the installed PR6423 eddy-current sensors, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[Emerson official manufacturer documentation](#)

<https://www.emerson.com/en/automation-systems/asset-performance-management/machinery-health-management/ams-pr6423>

AMIKON PRODUCT SUPPORT

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