

VERIFIED PRODUCT REFERENCE

Emerson EPRO PR6423/012-100 CON011 8 mm Eddy Current Sensor and Signal Converter

Emerson EPRO PR6423/012-100 CON011 combines a PR6423 eddy-current sensor with a CON011 signal converter. The exact suffix defines M10 x 1 mounting, armoured construction and a 4 m cable termination.

Manufacturer Emerson	Product family EPRO PR6423 Eddy Current Measurement	Exact model PR6423/012-100 CON011
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Officially documented specifications

Sensor family	PR6423
Converter	CON011
Probe thread	M10 x 1
Cable armour	Armoured
Sleeve configuration	45 mm sleeve
Cable length	4 m
Cable termination	LEMO
Nominal sensitivity	8 V/mm
Measuring range	2 mm
Minimum shaft diameter	25 mm
Converter mounting	panel mounting
Converter weight	120 g
Sensor protection	IP66
Measurement principle	Eddy current, non-contact

INSTALLATION AND PROCUREMENT REFERENCE

PR6423/012-100 CON011 application guidance

PR6423/012-100 CON011 combines the Emerson EPRO PR6423 sensor with its CON011 signal converter. This order string specifies M10 x 1 mounting, 45 mm sleeve, armoured construction and a 4 m cable ending in lemo.

The matched chain measures non-contact shaft displacement for vibration or position monitoring on rotating machinery. Nominal sensitivity is 8 V/mm, with a documented measuring range of 2 mm and minimum shaft diameter of 25 mm.

Accuracy depends on target material, probe gap, cable length, converter type and channel polarity. The sensor and converter must be treated as one calibrated measurement path rather than mixed with visually similar suffixes.

High-risk technical note

PR6423/012-100 CON011 calibration depends on the complete probe, cable and CON011 chain; do not interchange suffixes or reset gap without preserving the machine trip plan.

Manufacturer source record

- Emerson PR6423 eddy-current sensor datasheet
- Emerson CON011 signal converter datasheet



Request a quotation for PR6423/012-100 CON011

Email: info@apterpower.com

Phone: +86 18106909650

Include the complete nameplate, quantity, destination, and required delivery date.

Prepared from the manufacturer references listed above. Verify the latest revision and the complete installed configuration before replacement or commissioning.