

VERIFIED PRODUCT REFERENCE

Emerson EPRO PR6424/013-140 CON021 16 mm Eddy Current Sensor and Signal Converter

Emerson EPRO PR6424/013-140 CON021 combines a PR6424 eddy-current sensor with a CON021 signal converter. The exact suffix defines M18 x 1.5 mounting, armoured construction and a 10 m cable termination.

Manufacturer Emerson	Product family EPRO PR6424 Eddy Current Measurement	Exact model PR6424/013-140 CON021
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Officially documented specifications

Sensor family	PR6424
Converter	CON021
Probe thread	M18 x 1.5
Cable armour	Armoured
Sleeve configuration	70 mm overall length
Cable length	10 m
Cable termination	LEMO
Nominal sensitivity	4 V/mm
Measuring range	±2 mm static
Minimum shaft diameter	80 mm
Converter mounting	panel mounting
Converter weight	120 g
Sensor protection	IP66
Measurement principle	Eddy current, non-contact

INSTALLATION AND PROCUREMENT REFERENCE

PR6424/013-140 CON021 application guidance

PR6424/013-140 CON021 combines the Emerson EPRO PR6424 sensor with its CON021 signal converter. This order string specifies M18 x 1.5 mounting, 70 mm overall length, armoured construction and a 10 m cable ending in lemo.

The matched chain measures non-contact shaft displacement for vibration or position monitoring on rotating machinery. Nominal sensitivity is 4 V/mm, with a documented measuring range of ± 2 mm static and minimum shaft diameter of 80 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

PR6424/013-140 CON021 calibration depends on the complete probe, cable and CON021 chain; do not interchange suffixes or reset gap without preserving the machine trip plan.

Manufacturer source record

- Emerson PR6424 eddy-current sensor datasheet
- Emerson CON021 signal converter datasheet



Request a quotation for PR6424/013-140 CON021

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.