

## VERIFIED PRODUCT REFERENCE

# Emerson EPRO PR6423/00R-111 CON041

## Reverse-Mount 8 mm Eddy Current Sensor and Converter

Emerson EPRO PR6423/00R-111 CON041 combines a PR6423 eddy-current sensor with a CON041 signal converter. The exact suffix defines M10 x 1 mounting, unarmoured construction and a 5 m cable termination.

|                         |                                                           |                                      |
|-------------------------|-----------------------------------------------------------|--------------------------------------|
| Manufacturer<br>Emerson | Product family<br>EPRO PR6423 Eddy Current<br>Measurement | Exact model<br>PR6423/00R-111 CON041 |
|-------------------------|-----------------------------------------------------------|--------------------------------------|

### Officially documented specifications

| Sensor family          | PR6423                    |
|------------------------|---------------------------|
| Converter              | CON041                    |
| Probe thread           | M10 x 1                   |
| Cable armour           | Unarmoured                |
| Sleeve configuration   | reverse-mount body        |
| Cable length           | 5 m                       |
| Cable termination      | Open end                  |
| Nominal sensitivity    | 8 V/mm                    |
| Measuring range        | 2 mm                      |
| Minimum shaft diameter | 25 mm                     |
| Converter mounting     | DIN rail mounting         |
| Converter weight       | 60 g                      |
| Sensor protection      | IP66                      |
| Measurement principle  | Eddy current, non-contact |

## INSTALLATION AND PROCUREMENT REFERENCE

## PR6423/00R-111 CON041 application guidance

PR6423/00R-111 CON041 combines the Emerson EPRO PR6423 sensor with its CON041 signal converter. This order string specifies M10 x 1 mounting, reverse-mount body, unarmoured construction and a 5 m cable ending in open end.

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

PR6423/00R-111 CON041 calibration depends on the complete probe, cable and CON041 chain; do not interchange suffixes or reset gap without preserving the machine trip plan.

### Manufacturer source record

- Emerson PR6423 eddy-current sensor datasheet
- Emerson CON041 signal converter datasheet



Request a quotation for PR6423/00R-111 CON041

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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.