PR6423 / CON021

Product Data Sheet

PR6423/015-000 CON021

Eddy-current displacement measuring assembly

PROBE TIP DIAMETER	CASE THREAD	ARMOURED CABLE	CASE LENGTH
8 mm	**M10 x 1**	**Yes, PR6423/01 construction**	**75 mm, code 5**

Epro PR6423/015-000 CON021 combines an eight-millimetre PR6423 eddy-current probe with a CON021 converter for non-contact shaft displacement measurement. The probe detects radial or axial movement, position and related shaft behavior without mechanical contact with the rotating target.

01 TECHNICAL DATA

Probe tip diameter	8 mm
Case thread	M10 x 1
Armoured cable	Yes, PR6423/01 construction
Case length	75 mm, code 5
Adapter plug	Fitted, code 0
Nominal total cable length	4.0 m, cable code 0
Cable termination	Lemo connector, code 0
Linear measuring range	2 mm
Initial air gap	0.5 mm
Incremental scale factor	8 V/mm ±5% at 0-45 °C

02 ADDITIONAL PRODUCT DATA

Deviation from straight line	±0.025 mm at 0-45 °C
Minimum target shaft diameter	25 mm
Probe ingress protection	IP66
Probe-tip material	PEEK
Case material	Stainless steel

03 PRODUCT FUNCTION

The PR6423/015-000 sensor configuration uses an M10 x 1 threaded, 75 mm case with armoured cable, an adapter plug and a Lemo termination. Its nominal measuring span is 2 mm with an initial gap of 0.5 mm and a scale factor of 8 V/mm. Probe, cable and converter form a matched measuring chain; the converter produces the conditioned signal for the connected monitor.

04 SYSTEM COMPATIBILITY

Preserve the 75 mm case, armoured cable, adapter and Lemo arrangement when routing the PR6423/015-000 connection to CON021. Observe the cable bending limits and verify that the converter and total cable arrangement match the calibrated chain.

05 DOCUMENT BASIS

Epro manufacturer documentation. Selected source pages: 1, 2, 3, 4, 5.

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