

Installation Instructions

PR6423/001-121 CON041

Eddy current sensor system

PR6423 / CON041

Before work begins

- 01 Confirm the exact PR6423/001-121 CON041 article number and installed power-section position.
- 02 Place the drive in a safe state, isolate all energy sources and wait the Siemens discharge time.
- 03 Record busbars, connectors, gate leads, cooling connections and protective-earth conductors.
- 04 Use ESD controls and qualified drive-service personnel throughout the replacement.

Model-specific connection checks

Probe Diameter	8 mm nominal
Measurement Principle	Eddy current displacement
Standard Range	2.0 mm linear range
Converter Type	CON041 signal converter
Probe Variant	PR6423/001-121
Target Material	Ferromagnetic steel
Converter Weight	60 g
Linearity	≤1.0% standard range
Output Signal	Proportional voltage output
Probe Temperature	-35 to +180 °C

Installation sequence

- Inspect the replacement for transport damage, contamination, bent pins and altered keying.
- Install without forcing connectors or busbars; restore all shields, grounds and cooling seals.
- Torque power connections and secure cable supports under the applicable Siemens procedure.

Commissioning and return to service

- 01 Static gap and dynamic test.
- 02 Check insulation and protective-earth continuity before energising..
- 03 Restore auxiliary and main power in the approved sequence..
- 04 Observe interface, control-unit and power-section diagnostics..
- 05 Test the connected motor or DC-drive function at a controlled operating point..
- 06 Record the final article number, test results and maintenance approval..

This AMIKON installation reference supplements the applicable Siemens controlled documentation and the site safety procedure.
Warranty: 12 months from AMIKON.