

PR642X EDDY-CURRENT MEASURING CHAINS

Product Data Sheet

CON021

eddy-current signal converter

FUNCTION	FAMILY	ORIGIN	WEIGHT
eddy-current signal converter	PR642x eddy-current measuring chains	Germany	0.56 kg

Epro CON021 is a eddy-current signal converter for the PR642x eddy-current measuring chains. The values below are limited to the exact documented article.

01

VERIFIED TECHNICAL DATA

Sensor input	PR6422 through PR6426 eddy-current sensors
Sensor connector	Self-locking LEMO socket
Supply voltage	-24 V DC nominal
Supply range	-23 to -32 V DC
Standard output	-4 to -20 V or -2 to -18 V
Frequency response	0 to 20 kHz
Rise time	<15 µs
Gain error	<1% from 0 to 1000 Hz
Operating temperature	-30 to +100 °C
Relative humidity	0 to 95% non-condensing

ADDITIONAL PRODUCT DATA

Housing material	AlMgSi0.5F22 aluminium
Net mass	95 g
Field terminals	Screw terminals up to 1.5 mm ²
Mounting	Four M5 × 20 fasteners

OFFICIAL APPLICATIONS

- Shaft displacement and vibration measurement: Eddy Current Measurement Systems
- Compressor rotor position monitoring: Machinery Protection Systems
- Non-contact shaft movement measurement: Condition Monitoring Systems

SYSTEM COMPATIBILITY

Match CON021 to the installed PR642x eddy-current measuring chains, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[Emerson official manufacturer documentation](#)

<https://www.emerson.com/is/content/emerson/en/systems-and-software/ams/forms-and-specs/documents/con-021-and-con-031--converter-for-pr-642x-eddy-current-sensors.pdf>

AMIKON PRODUCT SUPPORT

+86-18020776786

INFO@AMIKON.CN

AMIKONG.COM