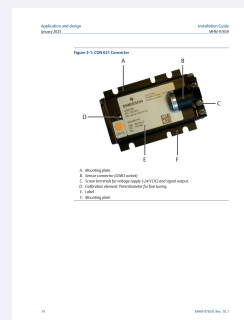


FIELD INSTALLATION QUICK GUIDE

# Installation Instructions

CON021

eddy-current signal converter



|          |                                      |
|----------|--------------------------------------|
| PRODUCT  | CON021                               |
| FAMILY   | PR642x eddy-current measuring chains |
| FUNCTION | eddy-current signal converter        |
| STATUS   | Verify exact installed equipment     |

Prepared by Amikon Limited from Epro documentation. This guide supplements the complete manufacturer manual and site procedure.

## 01

## CONFIRM THE ORDERED CONFIGURATION

|                    |                                            |
|--------------------|--------------------------------------------|
| 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                                |

## 02

## PREPARATION AND CONNECTION

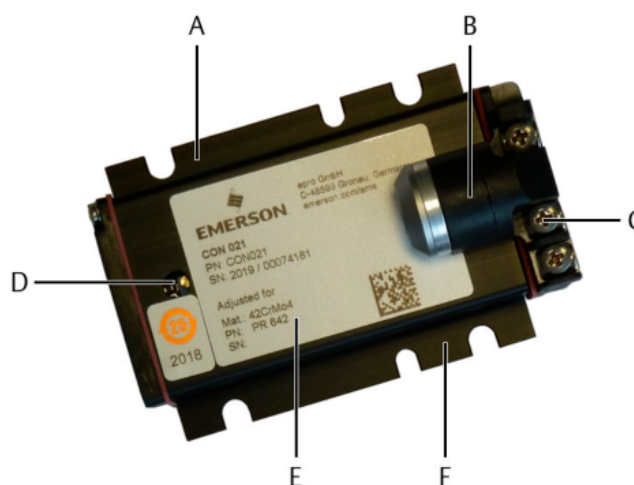
- Confirm the complete CON021 article number and installed revision.
- Isolate applicable electrical and process energy using the approved site procedure.
- Record every connector, cable, terminal, shield and protective-earth connection before removal.
- Install without forcing keyed parts, then secure terminals, latches, fasteners and cable supports.

## OFFICIAL INSTALLATION REFERENCE

Application and design  
January 2025

Installation Guide  
MHM-97859

**Figure 3-1: CON 021 Converter**



- A. Mounting plate
- B. Sensor connector (LEMO socket)
- C. Screw terminals for voltage supply (-24 V DC) and signal output.
- D. Calibration element: Potentiometer for fine tuning.
- E. Label
- F. Mounting plate

## 04 COMMISSIONING CHECKS

- 01 Confirm product identity and mechanical seating.
- 02 Verify the documented supply before energising.
- 03 Inspect polarity, shielding and protective-earth connections.
- 04 Restore power in the approved sequence and observe status indications.
- 05 Test each connected input, output or communication path.
- 06 Record diagnostics and functional-test results before return to service.

## 05 CONTROLLED DOCUMENT

|                 |                                             |
|-----------------|---------------------------------------------|
| Official source | Emerson official manufacturer documentation |
| Product record  | CON021                                      |
| Manufacturer    | Epro                                        |
| Warranty        | 12 months from AMIKON                       |
| Support         | INFO@AMIKON.CN                              |

AMIKON PRODUCT SUPPORT

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