



1386382-20



Operating Instructions (Authorized Documentation)

EIB 5181, EIB 5211, EIB 5212,
EIB 5281, EIB 5282, EIB 5291F

English (en)
05/2023

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www.heidenhain.com/documentation



1386382

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1 Fundamentals

1.1 About these instructions

These Instructions contain all the information and safety precautions needed for the proper operation of encoder accessories according to the intended use.



Further information is available in specific documents, depending on the life-cycle phase of the product and on the target group for the activity.

Further information: "Information based on the document type, the life-cycle phase of the product, and the target group", Page 2

1.2 Notes on reading this document

! WARNING

Fatal accidents, personal injury or property damage caused by non-compliance with the documentation!

Failure to comply with the documentation may result in fatal accidents, personal injury or property damage.

- ▶ Read the documentation carefully from beginning to end
- ▶ Keep the documentation for future reference

2 Safety

2.1 Intended use

The components of this or these series are encoder accessories that are needed in order to use the encoder with the control or an inspection device as part of the respective application.

Encoder accessories are intended for use in research facilities, commercial applications, and in an industrial environment.

Encoder accessories must be used only in accordance with the information based on the life-cycle phase of the product and on the target group.

Further information: "Information based on the document type, the life-cycle phase of the product, and the target group", Page 2

2.2 Improper use

Any use not specified in "Intended use" is considered improper use. The company operating the device is solely liable for any damage resulting from improper use.

2.3 Obligations of the operating company

The company operating the product must provide the personnel with the most current version of all documentation on the product.

2.4 General safety precautions



Mounting and initial configuration must be conducted by a qualified specialist in compliance with local safety regulations.



Encoders and encoder accessories may only be repaired by trained HEIDENHAIN technicians.

! WARNING

Fatal accidents, personal injury, or property damage when engaging or disengaging live connecting elements


Engaging or disengaging connecting elements while the system is under power may result in fatal accidents, personal injury, or property damage.



- ▶ Do not engage or disengage any connecting elements while the product is under power.





Encoders and encoder accessories that have contributed to the failure of a safety function in the application must be returned to HEIDENHAIN Traunreut.


3 Information based on the document type, the life-cycle phase of the product, and the target group

 The following documents must be read and observed by the stated target groups before mounting, initial configuration, or disposal of encoder accessories.

 Freely available documents are available at www.heidenhain.com/documentation.
Further documents are available upon  request.

| Document | Document ID | Life-cycle phase of the product/ Contents | Installation technician | Designer | Control manufacturer |
|--|---|--|----------------------------|----------|-------------------------|
| Operating Instructions Operating Instructions EIB 5181, EIB 5211, EIB 5212, EIB 5281, EIB 5282, EIB 5291F | 1386382 | <ul style="list-style-type: none"> ■ Operation | ✓ | ✓ | ✓ |
| Installation Instructions Installation Instructions EIB 5000 | 1386395 | <ul style="list-style-type: none"> ■ Installation of accessories | ✓ | ✓ | |
| Product Information Product Information EIB 5000 - Sensor Boxes for Temperature Measurement of Direct Drive Motors | 1309514 | <ul style="list-style-type: none"> ■ Specifications ■ Dimension drawing | | ✓ | ✓ |
| Brochure Interfaces of HEIDENHAIN Encoders | 1078628 | <ul style="list-style-type: none"> ■ Interfaces and measuring methods ■ Electrical connection ■ Interface electronics | | ✓ | ✓ |
| Brochure Cables and Connectors | 1206103 | <ul style="list-style-type: none"> ■ Cables and connectors for signal transmission between the position measuring system and the subsequent electronics | | ✓ | |
| Specification CAD |  Website Find product ID | <ul style="list-style-type: none"> ■ Views ■ Dimensions | ✓ | ✓ | |
| Declaration of Conformity |  Website Search for product ID | <ul style="list-style-type: none"> ■ Conformity with applicable directives | | ✓ | ✓ |

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