



Product ID



Image without details



Operating Instructions (Authorized Documentation)

EIB 2391S
Functional Safety

English (en)
09/2026

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www.heidenhain.com/documentation



EN	DE	FR	IT	ES	SV	NL	DA	FI	CS	BG
ET	EL	HU	JA	KO	LV	TR	NO	PL	PT	RU
			SL	RO	SK	LT	HR	zh-CN	zh-TW	

This document is provided in multiple languages:

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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 Declaration of Conformity

Encoder accessories comply with the requirements of the following directives:

EU: 2006/42/EC (valid until 2027-01-19),
(EU) 2023/1230 (valid as of 2027-01-20);
2014/30/EU; 2011/65/EU



4 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**.

Installation technician, Designer, Control manufacturer

Document	Document ID	Life-cycle phase of the product/Contents			
Operating Instructions Operating Instructions EIB 2391S Functional Safety	1380729	■ Operation	✓	✓	✓
Mounting Instructions Mounting Instructions EIB 2391S Functional Safety	895532	■ Mounting	✓	✓	
Product Information Product Information EIB 2391S - External Interface Box	807724	■ Specifications ■ Mating Dimensions		✓	
Brochure Interfaces of HEIDENHAIN Encoders	1078628	■ Interfaces and measuring methods ■ Electrical connection ■ Interface electronics		✓	✓
Brochure Cables and Connectors	1206103	■ Cables and connectors for signal transmission between the position measuring system and the subsequent electronics	✓	✓	✓
Technical Information Safety-Related Position Measuring Systems	596632	■ General description of the Safety concept		✓	✓
Specification Pin layout	Webseite Search for product ID	■ Connection points on connecting elements, cables, or terminal blocks	✓	✓	✓
Specification CAD	Webseite Search for product ID	■ Views ■ Dimensions	✓	✓	
Declaration of Conformity	Webseite Search for product ID	■ Conformity with applicable directives		✓	✓

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