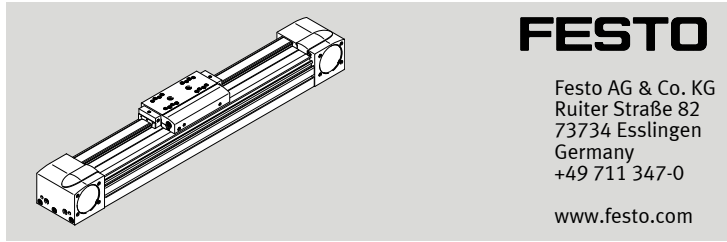


EGC-...-EX3-...

Toothed belt axis



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Addendum document | Operating conditions | EX

8114554
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Translation of the original instructions

1 Identification EX

Identification mark		
	II 2G	Ex h IIB T4 Gb X

Tab. 1

2 Further applicable documents

NOTICE!

Technical data for the product can have different values in other documents. For operation in an explosive atmosphere, the technical data in this document always have priority.



All available documents for the product → www.festo.com/pk.

3 Certified products

- EGC-50-...-TB-KF-...-EX3-...
- EGC-70-...-TB-KF-...-EX3-...
- EGC-80-...-TB-KF-...-EX3-...
- EGC-120-...-TB-KF-...-EX3-...

4 Safety

4.1 Safety instructions

- The device can be used under the stated operating conditions in zones 1 and 2 of explosive gas atmospheres.
- Use the device in its original status without any unauthorised modifications.
- Only use the product if it is in perfect technical condition.
- All work must be carried out outside of potentially explosive areas.
- Observe the specifications on the product labelling.
- Observe the information in the general operating instructions.
- Observe the operating conditions.
- Take into consideration the ambient conditions at the location of use.

4.2 Intended use

The toothed belt axis EGC-...-TB-KF is intended for fast positioning of payloads.

4.3 Foreseeable misuse

The axis is not approved for operating conditions in which vegetable and water-soluble greases or oils can penetrate into the axis.

4.4 Identification X: special conditions

- Danger of electrostatic discharge.
- Ambient temperature: $-10\text{ °C} \leq T_a \leq +60\text{ °C}$

5 Further information

- Accessories → www.festo.com/catalogue.
- Spare parts → www.festo.com/spareparts.

6 Service

Contact your regional Festo contact person if you have technical questions
→ www.festo.com.

7 Function

A toothed belt on a drive hollow shaft converts the rotation of a motor into a linear motion. As a result, the slide moves backwards and forwards.

8 Commissioning

WARNING!

The discharge of electrostatically charged parts can lead to ignitable sparks.

- Prevent electrostatic charging by taking appropriate installation and cleaning measures.
- Include the device in the system equipotential bonding.
- Include the slide separately in the system equipotential bonding. The slide is electrically insulated from the actuator.
- When using the shock absorber YSRW in combination with the shock absorber retainer KYE, pay attention to the electrically conductive connection between the shock absorber and axis.

NOTICE!

Strong charge-generating processes can charge non-conductive layers and coatings on metal surfaces.

NOTICE!

Related type of ignition protection: c (constructional safety)

9 Operation

- Comply with permissible critical limits → 11 Technical data.

10 Maintenance

Service device after 2 million cycles or not later than after 6 months.

- Perform maintenance only outside potentially explosive areas.

11 Technical data

Operating conditions	
Ambient temperature	$-10\text{ °C} \leq T_a \leq +60\text{ °C}$
Degree of protection	IP40
Mounting position	Any
Materials	
Housing	Al
Guide rail	High-alloy steel

Tab. 2