CE	**dormakaba Deutschland GmbH** DORMA Platz 1 D-58256 Ennepetal						17
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Contents

G-EMF XEA

Mounting instructions

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EN

1 About this manual

1.1 Information about the manual

This instruction is part of the product. The instruction comprises important instructions for safe operation. Therefore, the instruction must be carefully read before using the product. This instruction must be kept during the service life of the product and must be passed on with the product. This instruction describes the installation, startup, maintenance and disassembly of the slide rail system G-EMF XEA. The text of the instruction is supported by figures in a separate figure part. The chapter numbers in the text can be found again top left in the figures in the figure part. There is not always a figure in the figure part to support a chapter in the text.

1.2 Target groups

The installation, startup, maintenance and disassembly must only be carried out by skilled staff which has been authorized by dormakaba. The operation of the slide rail system may be carried out by any person who is mentally and physically able.

1.3 Provided documents

- Installation manual
- Data sheet about the use of arrest systems

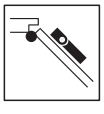
1.4 Symbols and abbreviations used

1.4.1 Safety instructions

ATTENTION

This signal word indicates a situation of potential risk, which could lead to damage to property or the environment if not averted.

1.4.2 Further labeling

1. 2.	Step-by-step graphics
1 2	Position numbers of parts
	The illustration shows the mounting DIN-L on the hinge side. Mounting DIN-R takes place mirror-inverted.
	Illustration shows mounting DIN-R on the hinge side. Mounting DIN-L takes place mirror-inverted.

1.4.3 Tool symbols

3	Allen wrench, e.g. wrench size 3

1.5 Glossary

EMF	Electromechanical locking device
RMZ	Smoke detection panel
TS	Door closer

2 Safety

2.1 Intended use

The catching device is used to keep open door leaves. The locking mechanism is used in conjunction with external RMZ to keep open fire and smoke protection closures. Fire and smoke protection closures must meet the building regulation requirements "self-locking". The electromechanical locking device is no substitution for a door stop. The locking device is released manually or via an external RMZ.

2.2 Limitation of liability

The manufacturer does not assume liability for damages in the following events:

- Nonobservance of this instruction.
- A deviating application of the intended use.
- The assignment of insufficiently skilled staff.
- Unauthorized modifications.
- Technical alterations.
- The use of spare parts which are not authorized.

2.3 Prerequisites for the operation of catching devices

The use of catching devices is subject to special regulations by reason of official admission standards. These regulations refer in particular to the inspection, the continuing surveillance and the maintenance. Follow the details from the data sheet about the use of catching devices. Additional requirements apply for the use as fire and smoke protection closures in conjunction with the external RMZ and RM. A separate verification of suitability is required for the respective fire / smoke protection door.

3 Product description

The GSR-EMF XEA comprises the following components:

- Slide rail systems
- Built-in electromechanical locking device

The G-EMF XEA is intended for the mounting on the hinge side or the opposite hinge side. The GSR-EMF XEA is suitable for DIN-L and DIN-R doors.
When mounting in the opposite hinge side, a proof of suitability in conjunction with the respective fire/ smoke protection door is required.

3.1 EMF

The EMF is an electromechanical locking mechanism with adjustable release force, which enables locking the door without spring back. After a cut-off of power supply, the locking device disengages and the door will be closed securely through the door closer.

3.2 Technical data

Operating voltage:	24 V DC in France also 48 V DC
Power consumption:	1.4 W in France also 2.2 W
Duty cycle:	100 % ED
Release torque:	approx. 25 – 65 Nm at 90° opening angle (dependent on the set closing force on the closer)
Door opening angle:	max. 140°

The drive happens via an external RMZ.

4 Installation

The mounting of the slide rail system takes place directly on the base of the door lintel or optionally with an additional mounting plate (extras).

4.1 Prepare the mounting of the slide rail

The slide rail can be mounted in two different options:
Option **A** = Mounting on the hinge side
Option **B** = Mounting on the opposite hinge side

1. Prepare the power supply (24 V/48 V DC) from the smoke detection panel to the EMF in version with EMF.
2. Mark the fixing points for the closer and the slide rails according to the hole pattern.
3. Drill the holes.
4. Drill the hole for the connection cable 24/48-V-Anschlusskabel with Ø 8 mm.
5. Lay the lines.

4.2 Mount the slide rail

1. Mount the base.
2. Insert all cables into the intended openings.
3. Lead the connection cable downwards.
4. Tighten the slide rail.
5. Clamp the 24/48-V connection cable to the slide rail.
6. Put the cable into the hollow space of the end piece.

4.3 Mount the door closer

1. Mount the door closer and lever to the door leaf according to the enclosed instructions for the door closer.
2. Adjust the door closer.

5 Start up

5.1 Set the fixture point

ATTENTION

Risk of cable damage
While setting the fixture points cables might be damaged.
- Pay attention not to jam the connecting cables.

1. Feed the power supply (24 V/48 V DC).
2. Open the fixed leaf until it clicks.
3. Unbolt the screws of the locking unit(s).
4. Open the door leaves to the desired hold open bracket.
   If the EMF is pushed to the end of the slide rail, the cable clips must be removed.
5. Unbolt the screws of the locking unit(s).
6. Place the door stop into the position of the fixture points selected.

5.2 Set the release force

ATTENTION

Risk of damage to the catching device
Setting a release force too high may result in damage to the door hinges and the fastening elements of the door closing system.
- Set the release force depending on the door width and the selected size of the closing contact.
- According to the DIN EN 1155 the release force must not be less than 40 Nm at a door opening angle of 90° and not more than 120 Nm.

1. Set the release force.
2. Control the release force.

5.3 Mount the paneling

1. Attach the end caps.
2. Mount the paneling of the glide rail.

5.4 Check locking

1. Open the door leaf and lock it.
2. Cut off power supply.
   - ▸ The door leaf is released and closes.

6 Operating

6.1 Open and lock door

1. Open door leaves to the fixture point.
   - ▸ The door leaves remain standing after letting go.

6.2 Close door

1. Press shut the door leaf or press the optional manual release button.
   - ▸ The door leaf is released and closes.

7 Dismounting, recycling and disposal

Dismantling is the same procedure in reverse and must be carried out by qualified personnel.
The product must be disposed of environmentally sound. Electro-technical parts and batteries must not be disposed of as household waste. Dispose of electro-technical parts and batteries in the arranged acceptance and collection points.