SAFETY PRODUCTS

Installation guide
JSM D23C Mounting kit for Magne on sliding door

JSM D23C is a mounting kit for Magne 3 and Magne 4 to be used on sliding doors. Designed for use on both right and left opened doors.

Installation shall be done in accordance with a risk assessment for the individual application.

Installation must be carried out by authorized personnel and in accordance with instructions in this document and the 'Magne Product Manual'.

Parts overview

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The mounting kit includes all bolts and nuts necessary to mount Magne on ABB Quick-Guard © fencing system.

**Note!** Magne, Eva, anchor plate and cellular rubber are not included in the kit. These items must be ordered separately.

Fitting for Eva and Anchor plate

Fitting for Magne

- MF6S M8x20 (1x) HEX5
- K6S M8x16 (5x) HEX5
- JSM M8B (5x)
- JSM B8C (5x)
- MC6S M6x20 (2x) HEX5
- MLC6S M4x14 (2x) HEX3

Tape (1x) used between anchor plate fitting and cellular rubber
**Dimensions**

All dimensions are in millimeter (mm).

Magne fitting dimensions

Eva and Anchor plate fitting dimensions
**Orientation and mounting of Eva sensor**

Depending on which Magne model used, the Eva sensor must be oriented and mounted in different ways (see figure for details).

Magne 3 has no integrated Adam sensor, i.e. no Eva is used.

**Installation tolerances (mm)**

![Diagram of installation tolerances](image)
Installation and mounting

Read and understand ‘Magne Product manual’ and ‘Eden Product manual’ before starting the installation.

**Note!** In the following step by step instructions, a Magne 4 is mounted on a right opened sliding door.

1. Mount the Magne fitting on to the fence.

   **Note!** Orientation depends on in which direction the door is opened.

   **Note!** Mount the bracket near to the handle used for opening the door.

2. Mount Magne on to the bracket using 2 pcs M6x20 screws.

   **Note!** If Magne M12-contact (cable) should be pointing up, use lower and center M6-installation holes.

3. Pre-assemble anchor plate fitting with cellular rubber, tape, anchor plate and Eva.
   - Mount anchor plate on to the fitting using a M8x20 screw with thread locking paste and tighten it smoothly.
   - Insert 2 pcs DA2 distances on the backside of Eva and mount it on to the fitting using 2 pcs M4x14 screws.

   **Note!** Make sure Eva is oriented and positioned to fit the Magne model that is used.

   **Note!** Do not overtighten the screws. Do not leave out DA2 distances. This can deform the anchor plate or Eva, causing reduced or no holding force.

   **Note!** Attach one tape between the fitting and cellular rubber and one tape between the anchor plate and cellular rubber. The tape prevents the cellular rubber and anchor plate from rotating.
4. Mount anchor plate fitting on to the front edge of the door profile.

**Note!** Before tightening the screws, make sure the surfaces of Magne electromagnet and anchor plate are completely parallel, i.e. that full contact is obtained when the door is closed.

5. To see if Magne fitting needs to be adjusted, mount a separate door stop and close the door. Magne and anchor plate should only be in contact with each other when the door is in closed position.

**Note!** To prevent damages on Magne, a separate door stop must be used.

6. To ensure that the function is working correctly, open/close the door several times. Adjust fittings if needed.

See complete product range and accessories on http://www.abb.com/jokabsafety