

ASSA E-motion

Off line electromechanical lock



Application

E-motion is a door assembled battery driven offline cabinet lock using Mifare technology (13.56MHz) with sector reading/writing. To open and close the cabinet door a Mifare card or tag, 1K or 4K, is used. The administrator of the system can choose which sector on the card that is to be used, which makes it possible to combine the E-motion cabinet lock with other applications using the same Mifare technology for example swimming areas, ski resorts, gyms, etc. The chosen sector is encrypted with the E-motion systems encryption key and the information cannot be read by other applications using the same card or tag. A complete installation of an offline E-motion system includes the E-motion cabinet lock, Mifare card/tag, E-motion software, system code, authorization key, portable programming unit and a card programmer. Information regarding these components can be read in their separate product data sheets.

Features

The E-motion cabinet lock can be installed on the most common hole preparations and door thicknesses used on cabinets for changing rooms. When retrofitting the lock on a cabinet already using a coin or camlock an extra 6mm hole needs to be drilled in order to be able to fixate the inner and outer part of the cabinet lock. The rest of the assembly are

done using the standardised hole used for coin and camlocks. The E-motion cabinet lock is completely battery driven and requires no wiring into the cabinet. This in combination with an easy installation makes it suitable for retrofitting on existing cabinets. When installing the lock on a new cabinet the hole preparation is performed according to the hole preparation drawing. The batteries and electronics are placed on the secure side of the door which makes them impossible to reach when the cabinet is locked. To protect the batteries and the reader unit from unauthorized access these units are kept hidden behind protective covers that can only be removed with a special tool. The covers also protect the electronic units against moist when the lock is used in for example a changing room.

Function

The lock is closed by turning the handle and showing the card/tag and is automatically opened when the card/tag once again is held against the lock. The lock signals open, close, low battery level etc. through a pair of green and red LEDs. In addition the lock has a green and red area at the handle showing the status of the lock. When the battery level is low the LEDs will flicker green and red to show that they need to be replaced. If the administrator ignores the signals the lock can be opened via the portable programmer.

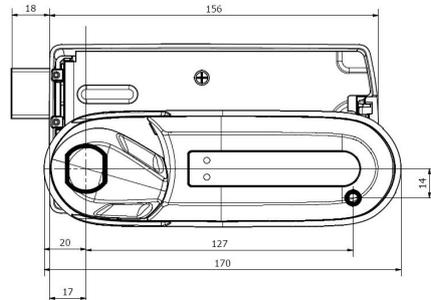
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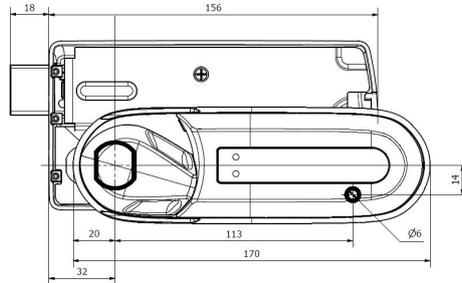
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Dimension (mm)

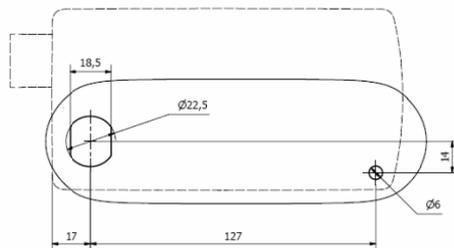


Right handed door - short

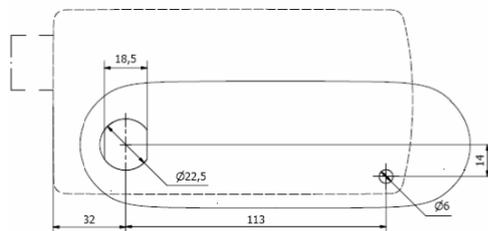


Right handed door - long

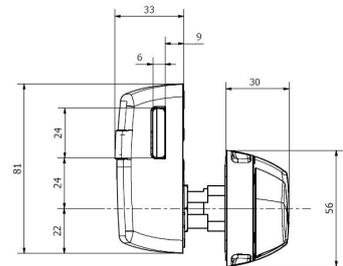
Hole preparation (mm)



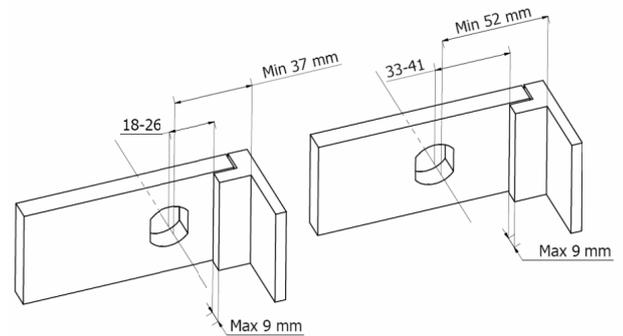
Right handed door - short



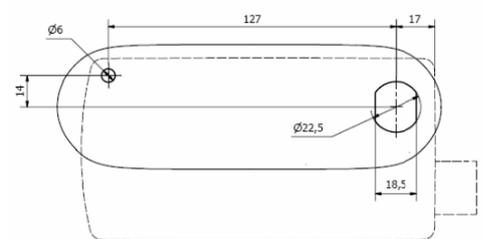
Right handed door - long



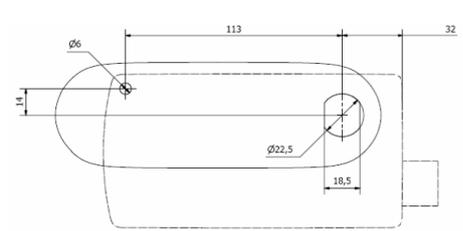
Cabinet dimension short/long



Cabinet dimension short/long



Left handed door - short



Left handed door - long

ASSA®

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ASSA ABLOY, the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience.

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Data

- Technology: 13.56MHz R/W touch less chip
ISO 14443 A Phillips mifare Std 1K
- Fits doors with thickness 2-25 mm
- Powered by 3 pcs 1.5V alkaline batteries, type LR03 AAA
- Battery lifetime > 20 000 openings or 3-4 years
- If the batteries run out the clock stops, the rest of the data remains intact.
- IP55 rated

Environmental requirements

- Temp. 0-65°C

Ordering number	Door/frame		Door thickness (mm)		
	Long	Short	2-12	12-15	15-25
363756 101 084	x		x		
363756 102 084	x			x	
363756 103 084	x				x
363757 101 084		x	x		
363757 102 084		x		x	
363757 103 084		x			x