



OPENERS & CLOSERS®
Secure locking solutions

GENERAL CATALOGUE



OPENERS & CLOSERS®
Secure locking solutions

ELECTRIC STRIKES

Glossary

Electric strike

Electric strikes (also called electric latch release or electric door openers) replace a standard strike mounted on the door frame and receive the latch and latch bolt.

Faceplate

Faceplates, in different shapes and finishes, allow the strike to be perfectly installed into any kind of frame.

Hold-open

This function allows unlocking with a single electric impulse and holds the strike unlocked until the door is opened.

Monitoring

This function will signalize the status of the door to your access control or interlocking system.

Mechanical unlocking

Activating this lever will keep the strike permanently opened until manually switched back.

Keeper

Keepers (fixed or adjustable, deep or shallow) allow the strike to work perfectly with any kind of latch.

Electronic protection

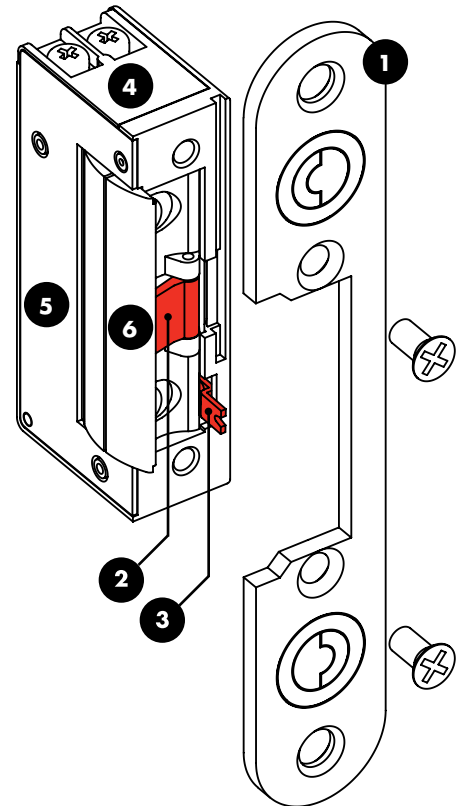
A transil suppressor within the terminal block protects your access control system from current peaks.

Side-Load

It's the pressure exerted on the keeper by an external force (door weight, wind, bad installation, etc).

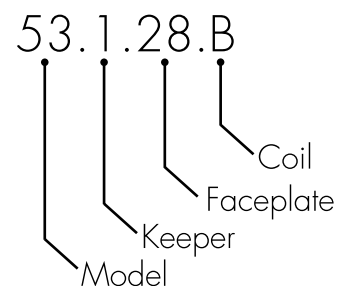
OEM Products

Personalized products are available upon request based on customer's requirements and needs.



- 1 faceplate
- 2 hold-open pin
- 3 mechanical unlocking
- 4 Terminal block
- 5 cover
- 6 keeper

Reference Example



OPENERS & CLOSERS

Secure locking solutions

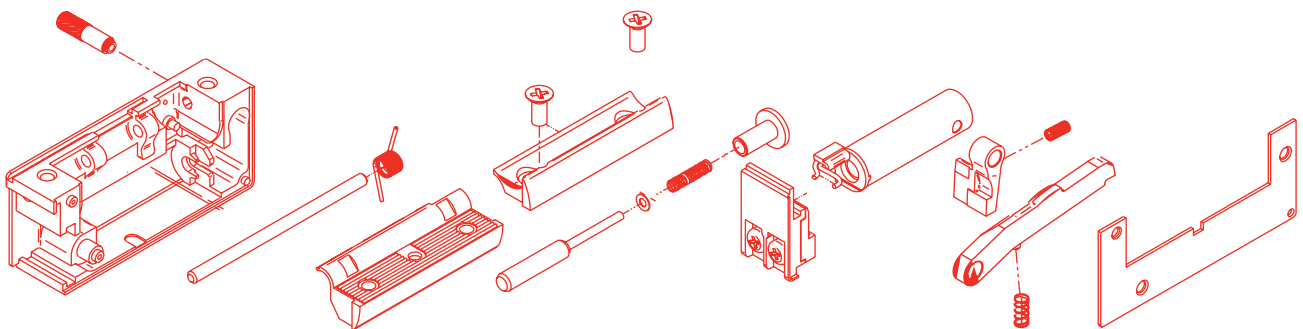
This year, we are proud to celebrate the 25th anniversary of the founding of OPENERS AND CLOSERS.

An important milestone that provides an opportunity to reflect the achievements we have done manufacturing superior door locks, and expanding our business in over 60 countries around the world.

It all started in 1989 with the development of the Basic Electric Strike and following with the president vision to pursue high quality standards for the international market.

In 1990 we took the most challenging road when our first international sale was settled in the UK. During the following 10 years, the activity increased allowing us to grow as a company and having a good range of products to satisfy our clients' needs. The sales began to expand all over the European Union.

New challenges followed in the year 2000 when we decided to sell our products nationally. It was the perfect time to build up our brand and aim for excellence. Even with the world financial crisis in 2008 and some difficulties we had to overcome, O&C kept developing new products and ideas with an incredible team effort.



25th ANNIVERSARY

Innovation, Quality & Service

The restructuring process began in 2012 bringing a positive situation across our entire company. We have made significant progress in our core business and we are still obsessed with product details and how to improve them. We are ready to take the leap with products that had been under development during the past years thanks to the experience we have acquired.

We are a growth company. Our commitment is to keep expanding our brand into new international markets and fulfill our efficiencies of lean manufacturing while minimizing our environmental impact.

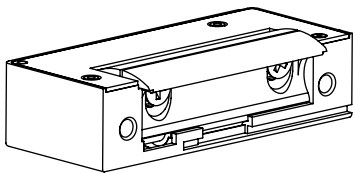
O&C has evolved and strengthened since our modest beginnings. We are proud of what we have become. To fulfill our potential, we know we need to operate in completely new ways, focusing in innovation and process optimization. The continual improvement process inspires us to do better and one of the key aspects is to keep differentiating our products.

Our strategy goals are ambitious and we know that we will have to struggle to achieve them. We are ready to pursue new revenues by creating breakthrough products that will thrill consumers and even competitors who always inspire us to do better.

I would especially like to thank our friends, partners and staff for being part of our growth in this 25th anniversary of innovation, quality & service.

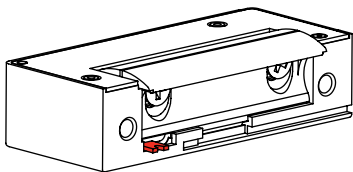
Bernat Andreu
Chief Executive Officer

FUNCTIONS



Fail-secure

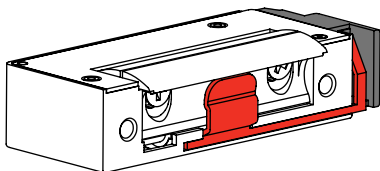
The electric strike is unlocked when energized.



Fail-secure with mechanical unlocking

The electric strike is unlocked when energized.

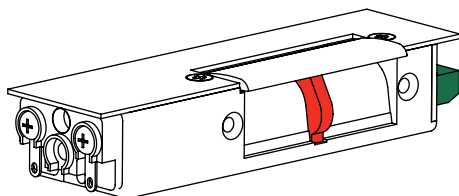
It features a mechanical lever for manual release.



Fail-secure with monitoring

The electric strike is unlocked when energized.

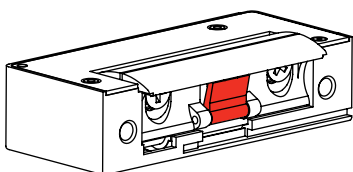
It features a microswitch that detects the status of the door. (opened/closed)



Fail-secure with double monitoring

The electric strike is unlocked when energized.

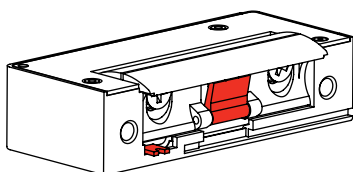
It features 2 microswitches that detect the status of both the door (opened/closed) and the keeper (locked/unlocked).



Hold-open

The pin on the keeper allows unlocking the strike through a single electric impulse.

The strike will stay unlocked until the actual opening of the door.



Hold-open with mechanical unlocking

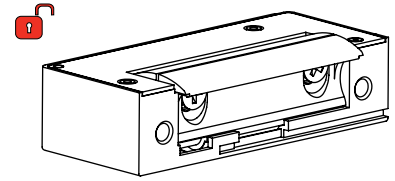
The pin on the keeper allows unlocking the strike through a single electric impulse.

The strike will stay unlocked until the actual opening of the door.

It features a mechanical lever for manual release.

Fail-safe

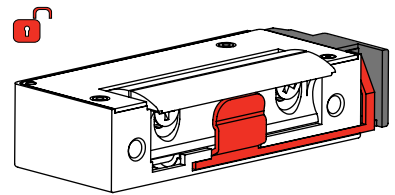
The electric strike is locked when energized.



Fail-safe with monitoring

The electric strike is locked when energized.

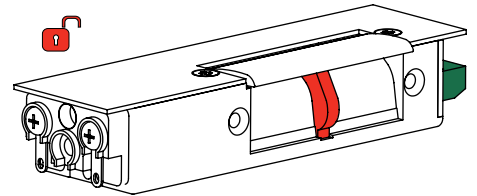
It features a microswitch that detects the status of the door. (opened/closed)



Fail-safe with double monitoring

The electric strike is locked when energized.

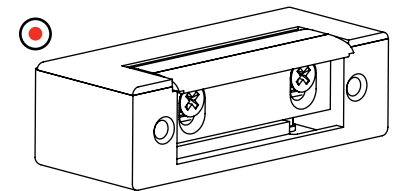
It features 2 microswitches that detect the status of both the door (opened/closed) and the keeper (locked/unlocked).



Internal Hold-open

An internal device allows unlocking the electric strike through a single electric impulse.

The strike will stay unlocked until the actual opening of the door.

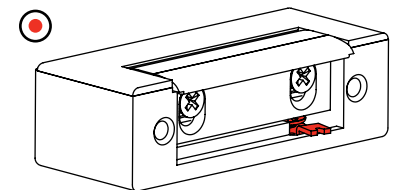


Internal Hold-open with mechanical unlocking

An internal device allows unlocking the electric strike through a single electric impulse.

The strike will stay unlocked until the actual opening of the door.

It features a mechanical lever for manual release.

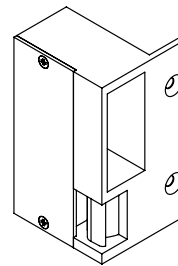
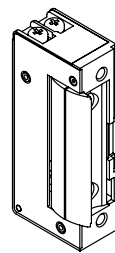
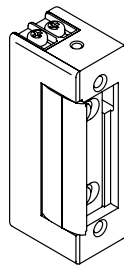
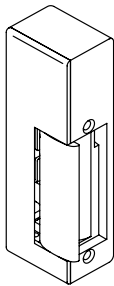


 fail-safe model

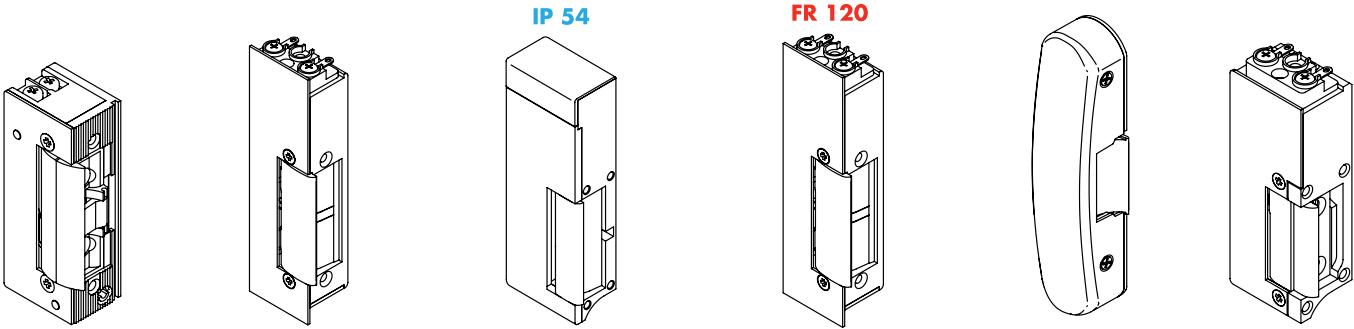
 internal hold-open model

ELECTRIC STRIKES

Electric strikes



	Keeper	Voltage								BASIC Serie 1 & 2		SYMMETRIC Serie 3		MINI Serie 5		RIM Serie 1 & 2 RIM	
		12Vdc	24Vdc	5-12V ac/dc	6-12V ac/dc	8-14V ac/dc	9-14V ac/dc	9-16V ac/dc	12/24V ac/dc	References		References		References		References	
									DIN right	DIN left	Basic	Multi-voltage	Basic	Latch guide	DIN right 98 for 90mm 12A for 120mm	DIN left 9A for 90mm 12B for 120mm	
Fixed	Keeper								10.0.00.B	20.0.00.B					10.0.98.B	20.0.9A.B	
									10.0.00.J	20.0.00.J					10.0.12A.E	20.0.12B.E	
									10.0.00.E	20.0.00.E							
									10.0.00.F	20.0.00.F							
Adjustable	Fail-secure								10.1.00.B	20.1.00.B	30.1.00.B						
									10.1.00.J	20.1.00.J	30.1.00.J						
									10.1.00.E	20.1.00.E	30.1.00.E	50.1.00.E	50.MA.1.00.E				
									10.1.00.F	20.1.00.F	30.1.00.F	50.1.00.F	50.MA.1.00.F				
Fixed	Fail-secure with mechanical unlocking								11.0.00.B	21.0.00.B							
									11.0.00.J	21.0.00.J							
									11.0.00.E	21.0.00.E							
									11.0.00.F	21.0.00.F							
Adjustable	Fail-secure with monitoring								11.1.00.B	21.1.00.B	31.1.00.B						
									11.1.00.J	21.1.00.J	31.1.00.J						
									11.1.00.E	21.1.00.E	31.1.00.E	51.1.00.E	51.MA.1.00.E				
									11.1.00.F	21.1.00.F	31.1.00.F	51.1.00.F	51.MA.1.00.F				
Fixed	Fail-secure with double monitoring								12.0.00.B	22.0.00.B							
									12.0.00.J	22.0.00.J							
									12.1.00.B	22.1.00.B	32.1.00.B						
									12.1.00.J	22.1.00.J	32.1.00.J						
Adjustable	Hold-open								12.0.00.B	22.0.00.B							
									12.0.00.J	22.0.00.J							
									12.1.00.B	22.1.00.B	32.1.00.B						
									12.1.00.J	22.1.00.J	32.1.00.J						
Fixed	Hold-open with mechanical unlocking								13.0.00.B	23.0.00.B							
									13.0.00.J	23.0.00.J							
									13.1.00.B	23.1.00.B	33.1.00.B						
									13.1.00.J	23.1.00.J	33.1.00.J						
Adjustable	Internal Hold-open								12A.0.00.B	22A.0.00.B					12A.0.98.B	12A.0.9A.B	
									12A.0.00.J	22A.0.00.J							
									12A.1.00.B	22A.1.00.B	32A.1.00.B						
									12A.1.00.J	22A.1.00.J	32A.1.00.J						
Fixed	Internal Hold-open with mechanical unlocking								13A.0.00.B	23A.0.00.B							
									13A.0.00.J	23A.0.00.J							
									13A.1.00.B	23A.1.00.B	33A.1.00.B						
									13A.1.00.J	23A.1.00.J	33A.1.00.J						
Adjustable	Fail-safe														14.0.98.M	24.0.9A.M	
											34.1.00.E		54.1.00.E	54.MA.1.00.E			
											34.1.00.F		54.1.00.F	54.MA.1.00.F			
Fixed	Fail-safe with monitoring																
Adjustable	Fail-safe with double monitoring																



HIGH-SECURITY Serie 25	SECURITY Serie 4R & 4L		IP 54 WATERPROOF Serie 7R & 7L		FR 120 FIRE Serie 24R & 24L		EMERGENCY Serie 4	ARMoured Serie 9R & 9L	
References	References		References		References		References	References	
	DIN right	DIN left	DIN right	DIN left	DIN right	DIN left		DIN right	DIN left
	4R0.4.00.L	4L0.4.00.L	7R0.4.00.L	7L0.4.00.L	24R0.4.00.L	24L0.4.00.L	40.6.00.L		
	4R0.4.00.M	4L0.4.00.M	7R0.4.00.M	7L0.4.00.M	24R0.4.00.M	24L0.4.00.M	40.6.00.M		
250.1.00.B	4R0.4.00.N	4L0.4.00.N	7R0.4.00.N	7L0.4.00.N	24R0.4.00.N	24L0.4.00.N	40.6.00.N	9R0.1.00.L	9L0.1.00.L
250.1.00.J									
250.1.00.E								9R0.1.00.M	9L0.1.00.M
250.1.00.F								9R0.1.00.N	9L0.1.00.N
256.1.00.E	4R6.4.00.L	4L6.4.00.L	7R6.4.00.L	7L6.4.00.L	24R6.4.00.L	24L6.4.00.L	46.6.00.L		
256.1.00.F	4R6.4.00.M	4L6.4.00.M	7R6.4.00.M	7L6.4.00.M	24R6.4.00.M	24L6.4.00.M	46.6.00.M		
	4R6.4.00.N	4L6.4.00.N	7R6.4.00.N	7L6.4.00.N	24R6.4.00.N	24L6.4.00.N	46.6.00.N		
256.1.00.B									
256.1.00.J		47.4.00.P					47.6.00.P		
		47.4.00.N					47.6.00.N		
252.1.00.B									
252.1.00.J									
	4R2A.4.00.L	4L2A.4.00.L	7R2A.4.00.L	7L2A.4.00.L			42A.6.00.L		
	4R4.4.00.M	4L4.4.00.M	7R4.4.00.M	7L4.4.00.M	24R4.4.00.P	24L4.4.00.P	44.6.00.M		
	4R4.4.00.N	4L4.4.00.N	7R4.4.00.N	7L4.4.00.N	24R4.4.00.N	24L4.4.00.N	44.6.00.N		
254.1.00.E								9R4.1.00.M	9L4.1.00.M
254.1.00.F								9R4.1.00.N	9L4.1.00.N
258.1.00.E									
258.1.00.F		49.4.00.P					49.6.00.P		
		49.4.00.N					49.6.00.N		

00: add faceplate/box



BASIC

Series 1 & 2

Basic electric strikes are ideal for simple ironmongery installations, such as **home door phones**. They are available with fixed or adjustable keeper, for either DIN right or left doors.

Featuring a wide variety of functions and voltages, these strikes quickly unlock standard doors through low power consumption.

Technical features

- Guaranteed endurance rating: 300.000 cycles (120N side-load on AC)
Max. side-load on AC: 160 N
Max. side-load on DC: 10 N
- Break-in resistance: 4.000 N
- Operating temperature range: -15 °C /+40 °C
- Housing Material: Zamak
- Keeper Material: Zamak
Keeper's Adjustability: 3 mm
Fixed Keeper Depth: 8,25 mm
Adjustable Keeper Depth: 7,75 mm
- Guaranteed 3 years
- Complies with 2004/108/CE (EN 55014)
- Corrosion resistant according to UNI ISO 9227

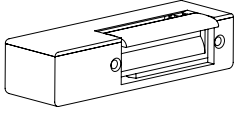
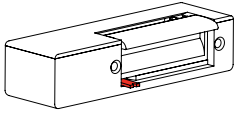
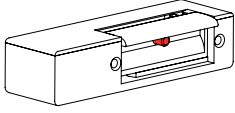
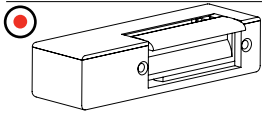
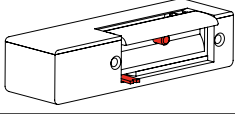
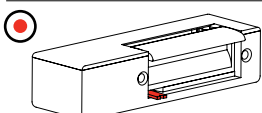
Coil features

- | | |
|---|---|
| B 8-14 V ac/dc <1min
(12 Ω 0,8A at 12 V ac) | J 5-12 V ac/dc <1min
(8 Ω 0,9A at 9 V ac) |
| E 12 V dc ∞
(60 Ω 0,20A) | F 24 V dc ∞
(220 Ω 0,12A) |

Special coils available upon request:

- | | | |
|------------------------|---------------------------|----------------------------|
| C 12 V ac <1min | T1 6-14 V ac <1min | T2 15-24 V ac <1min |
|------------------------|---------------------------|----------------------------|

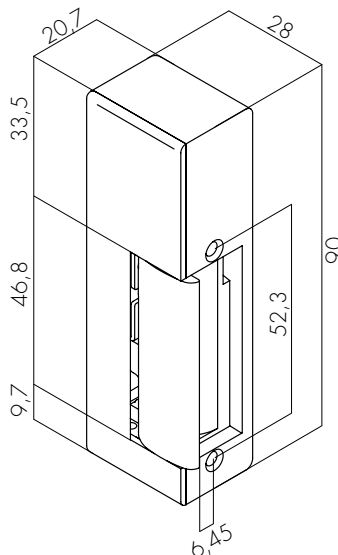
References and features

	Fixed keeper	Adjustable keeper	Side-load	Voltage	References DIN right add faceplate	References DIN left add faceplate
 Fail-secure	●		●	8-14 V ac/dc	10.0.00.B	20.0.00.B
	●		●	5-12 V ac/dc	10.0.00.J	20.0.00.J
	●			12 V dc	10.0.00.E	20.0.00.E
	●			24 V dc	10.0.00.F	20.0.00.F
 Fail-secure with mechanical unlocking	●		●	8-14 V ac/dc	11.0.00.B	21.0.00.B
	●		●	5-12 V ac/dc	11.0.00.J	21.0.00.J
	●			12 V dc	11.0.00.E	21.0.00.E
	●			24 V dc	11.0.00.F	21.0.00.F
 Hold-open	●		●	8-14 V ac/dc	12.0.00.B	22.0.00.B
	●		●	5-12 V ac/dc	12.0.00.J	22.0.00.J
		●	●	8-14 V ac/dc	12.1.00.B	22.1.00.B
		●	●	5-12 V ac/dc	12.1.00.J	22.1.00.J
 Internal Hold-open	●		●	9-14 V ac/dc	12A.0.00.B	22A.0.00.B
	●		●	6-12 V ac/dc	12A.0.00.J	22A.0.00.J
		●	●	9-14 V ac/dc	12A.1.00.B	22A.1.00.B
		●	●	6-12 V ac/dc	12A.1.00.J	22A.1.00.J
 Hold-open with mechanical unlocking	●		●	8-14 V ac/dc	13.0.00.B	23.0.00.B
	●		●	5-12 V ac/dc	13.0.00.J	23.0.00.J
		●	●	8-14 V ac/dc	13.1.00.B	23.1.00.B
		●	●	5-12 V ac/dc	13.1.00.J	23.1.00.J
 Internal Hold-open with mechanical unlocking	●		●	9-14 V ac/dc	13A.0.00.B	23A.0.00.B
	●		●	6-12 V ac/dc	13A.0.00.J	23A.0.00.J
		●	●	9-14 V ac/dc	13A.1.00.B	23A.1.00.B
		●	●	6-12 V ac/dc	13A.1.00.J	23A.1.00.J

Recommended Faceplates

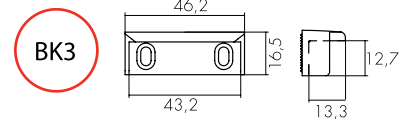
SHORT	LONG	ANGLED
01 Grey	03 Grey Brown	08 Brown
61 SST	04 Grey Brown	09 Brown
66 SST	05 Grey Brown	10 Brown
	20 SST	11 Brown
BOX	21 SST	12 Brown
80 Grey	43 SST	13 Brown
81 Grey	63 SST	14 Brown
84 Grey	64 SST	15 Brown
Chrome	65 SST	16 Brown
Brass	67 SST	17 Brown
	73 SST	
	74 SST	
	C63 SST	
	C64 SST	
	C65 SST	
	D3 Grey Brown	
	D4 Grey Brown	

Dimensions

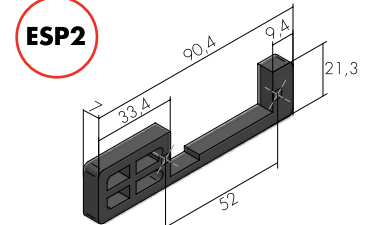


Available keepers

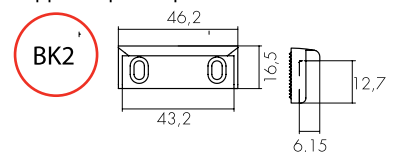
Deep adjustable keeper
Supplied upon request



Shim kit for BK3



Shallow adjustable keeper
Supplied upon request





SYMMETRIC

Series 3

Symmetrical electric strikes are the most common on the market. They are **100% reversible** and feature an adjustable keeper.

DC models are equipped with electronic protection in order to prevent damages to your access control system. This also represents an advantage for the installer as the connection is not polarized.

Featuring a wide variety of functions and voltages, these strikes quickly unlock standard doors through low power consumption. Now featuring our special **multi-voltage coil**, a new symmetric model that can be 12V ac/dc or 24V ac/dc with only one single switch.

Technical Features

- Guaranteed endurance rating: 300.000 cycles (120N side-load on AC)
Max. side-load on AC: 160 N
Max. side-load on DC: 10 N
- Break-in resistance: 4.000 N
- Operating temperature range: -15 °C /+40 °C
- Housing Material: Zamak
- Keeper Material: Zamak
Keeper's Adjustability: 3 mm
Keeper Depth: 5,4 mm
- Guaranteed 3 years
- Complies with 2004/108/CE (EN 55014)
- Corrosion resistant according to UNI ISO 9227

Coil features

- B** 8-14 V ac/dc <1min
(14 Ω 0,68A at 12 V ac)
- J** 5-12 V ac/dc <1min
(8 Ω 0,9A at 9 V ac)
- E** 12 V dc ∞
(50 Ω 0,25A)
- F** 24 V dc ∞
(185 Ω 0,12A)

SYMMETRIC MULTI-VOLTAGE

12V ac/dc

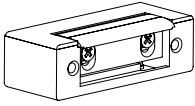
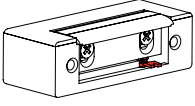
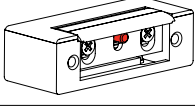
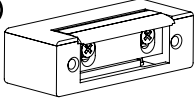
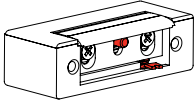
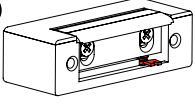
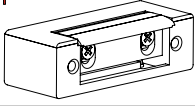
24V ac/dc

- W** **MULTI-VOLTAGE**
12 V ac <1min (35 Ω 0,25A)
24 V ac <1min (140 Ω 0,12A)
12 V dc ∞ (35 Ω 0,35A)
24 V dc ∞ (140 Ω 0,18A)

Special coils available upon request:

- D** 24 V ac/dc <1min
- T3** 8 V dc ∞

References and features

		Reversible	Adjustable keeper	Side-load	Electronic protection	Voltage	References add faceplate
	Fail-secure	●	●	●		8-14 V ac/dc	30.1.00.B
		●	●	●		5-12 V ac/dc	30.1.00.J
		●	●		●	12 V dc	30.1.00.E
		●	●		●	24 V dc	30.1.00.F
		●	●		●	12/24 V ac/dc	30.1.00.W NEW
	Fail-Secure with mechanical unlocking	●	●	●		8-14 V ac/dc	31.1.00.B
		●	●	●		5-12 V ac/dc	31.1.00.J
		●	●		●	12 V dc	31.1.00.E
		●	●		●	24 V dc	31.1.00.F
	Hold-open	●	●	●		8-14 V ac/dc	32.1.00.B
		●	●	●		5-12 V ac/dc	32.1.00.J
		●	●		●	12 V dc	32.1.00.E
	Internal Hold-open	●	●	●		9-14 V ac/dc	32A.1.00.B
		●	●	●		6-12 V ac/dc	32A.1.00.J
	Hold-open with mechanical unlocking	●	●	●		8-14 V ac/dc	33.1.00.B
		●	●	●		5-12 V ac/dc	33.1.00.J
		●	●		●	12 V dc	33.1.00.E
	Internal Hold-open with mechanical unlocking	●	●	●		9-14 V ac/dc	33A.1.00.B
		●	●	●		6-12 V ac/dc	33A.1.00.J
	Fail-safe	●	●		●	12 V dc	34.1.00.E
		●	●		●	24 V dc	34.1.00.F
		●	●		●	12/24 V ac/dc	34.1.00.W NEW

Electric strikes

Recommended Faceplates

SHORT

01 Grey
02 Grey
61 SST
62 SST
66 SST
92 SST

BOX

81 Grey
84 Grey
Chrome
Brass

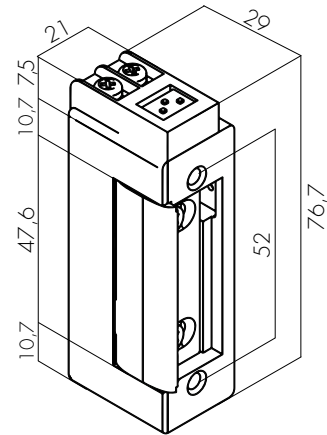
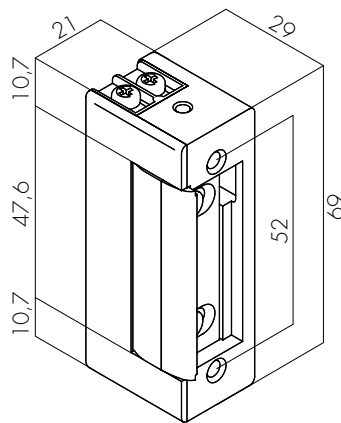
LONG

04 Grey|Brown
05 Grey|Brown
20 SST
21 SST
64 SST
65 SST
71 SST
73 SST
74 SST
C64 SST
C65 SST
D4 Grey|Brown

ANGLED

08 Brown
09 Brown
12 Brown
13 Brown
16 Brown
17 Brown

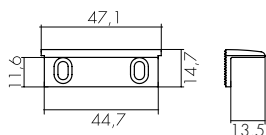
Dimensions



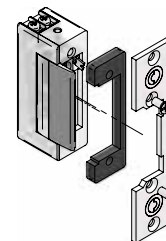
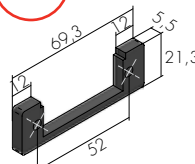
Available keepers

SK3

Deep adjustable keeper



ESP3





MINI

Series 5

This 100% reversible electric strike - **only 16 mm wide** - is one of the smallest on the market and the perfect match for narrow profiles such as aluminum, wood and PVC. Through its small size and high resistance it can fit any lock.

The radial keeper rotates inside the mechanism box of the electric strike, so the installer does not have to cut the door frame to make it fit.

All models are equipped with electronic protection to prevent damage to the access control system they are connected to. This also represents an advantage for the installer as the connection is not polarized.

Featuring a wide variety of functions and voltages, these strikes quickly unlock standard doors through low power consumption.

Technical features

- Guaranteed endurance rating: 300.000 cycles (120N side-load on AC)
Max. side-load on AC: 160 N
Max. side-load on DC: 10 N
- Break-in resistance: 5.000 N
- Dynamic Strength: 33 ft lbf
- Operating temperature range: -15 °C /+40 °C
- Housing Material: Zamak
- Keeper Material: Zamak
Keeper's Adjustability: 2 mm
Keeper Depth: 5,4 mm
- Patented hold-open system
- Guaranteed 3 years
- Complies with 2004/108/CE (EN 55014)
- Corrosion resistant according to UNI ISO 9227

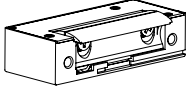
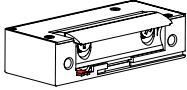
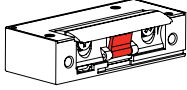
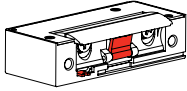
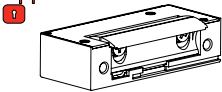
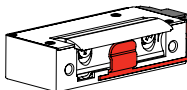
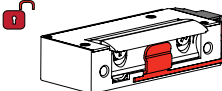
Coil features

- | | |
|---|---|
| <p>B 9-16 V ac/dc <1min
(15,5 Ω 0,6A at 12 V ac)</p> <p>E 12 V dc ∞
(42 Ω 0,27A)</p> | <p>J 6-12 V ac/dc <1min
(8,5 Ω 0,84A at 9 V ac)</p> <p>F 24 V dc ∞
(192 Ω 0,12A)</p> |
|---|---|

Special coils available upon request:

- D** **24 V ac/dc <1min**

References and features

		Radial adjustable keeper	Reversible	Side-load	Electronic protection	Voltage	References add faceplate
	Fail-secure	●	●	●	●	9-16 V ac/dc	50.1.00.B
		●	●	●	●	6-12 V ac/dc	50.1.00.J
		●	●	●	●	12 V dc	50.1.00.E
		●	●	●	●	24 V dc	50.1.00.F
	Fail-secure with mechanical unlocking	●	●	●	●	9-16 V ac/dc	51.1.00.NC
		●	●	●	●	6-12 V ac/dc	51.1.00.B
		●	●	●	●	12 V dc	51.1.00.J
		●	●	●	●	24 V dc	51.1.00.F
	Hold-open	●	●	●	●	9-16 V ac/dc	52.1.00.B
		●	●	●	●	6-12 V ac/dc	52.1.00.J
	Hold-open with mechanical unlocking	●	●	●	●	9-16 V ac/dc	53.1.00.B
		●	●	●	●	6-12 V ac/dc	53.1.00.J
	Fail-safe	●	●	●	●	12 V dc	54.1.00.E
		●	●	●	●	24 V dc	54.1.00.F
	Fail-secure with monitoring	●	●	●	●	9-16 V ac/dc	56.1.00.B
		●	●	●	●	6-12 V ac/dc	56.1.00.J
		●	●	●	●	12 V dc	56.1.00.E
		●	●	●	●	24 V dc	56.1.00.F
	Fail-safe with monitoring	●	●	●	●	12 V dc	58.1.00.E
		●	●	●	●	24 V dc	58.1.00.F

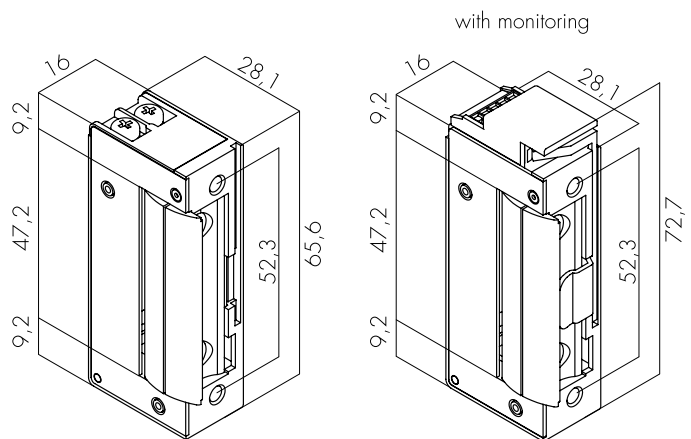
Monitoring features

	Intensity	Contact resistance	Insulation resistance	Operating temperature
Microswitch S1	1A/125V ac 0,5A/30V dc	50 mΩ maximum	100 MΩ minimum (at 500V dc)	From -25°C to 65°C (without ice)

Recommended Faceplates

SHORT	LONG	ANGLED
27 SST	22 SST	24 SST
28 SST	23 SST	25 SST
	26 SST	
	29 SST	
	30 SST	

Dimensions



NEW FEATURE

MINI LATCH GUIDE

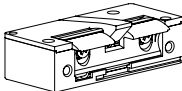
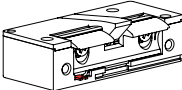
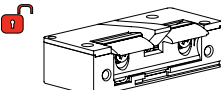
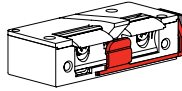
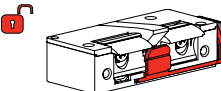


The Mini latch guide is an evolved electric strike feature that **avoids the latch of the lock to be seized up** in the cavity of the frame when it is mechanized for the installation.

Totally suitable and compatible with mortise locks, roller bolt locks and latch bolt slides.

The latch guide cover is made of steel and it is recommended to use large faceplates for wooden frames.

References and features

		Radial adjustable keeper	Reversible	Side-load	Electronic Protection	Voltage	References <i>add faceplates</i>
	Fail-secure	●	●	●	●	9-16 V ac/dc	50.MA.1.00.B
		●	●	●	●	6-12 V ac/dc	50.MA.1.00.J
		●	●	●	●	12 V dc	50.MA.1.00.E
		●	●	●	●	24 V dc	50.MA.1.00.E
	Fail secure with mechanical unlocking	●	●	●	●		51.MA.1.00.NC
		●	●	●	●	9-16 V ac/dc	51.MA.1.00.B
		●	●	●	●	6-12 V ac/dc	51.MA.1.00.J
		●	●	●	●	12 V dc	51.MA.1.00.E
	Fail-safe	●	●	●	●	12 V dc	54.MA.1.00.E
		●	●	●	●	24 V dc	54.MA.1.00.F
	Fail-secure with monitoring	●	●	●	●	9-16 V ac/dc	56.MA.1.00.B
		●	●	●	●	6-12 V ac/dc	56.MA.1.00.J
		●	●	●	●	12 V dc	56.MA.1.00.E
		●	●	●	●	24 V dc	56.MA.1.00.F
	Fail-safe with monitoring	●	●	●	●	12 V dc	58.MA.1.00.E
		●	●	●	●	24 V dc	58.MA.1.00.F

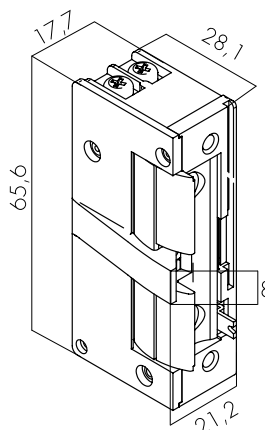
Monitoring features

	Intensity	Contact resistance	Insulation resistance	Operating temperature
Microswitch S1	1A/125V ac 0,5A/30V dc	50 mΩ maximum	100 MΩ minimum (at 500V dc)	From -25°C to 65°C (without ice)

Recommended faceplates

SHORT	LARGE
27 SST	22 SST
28 SST	23 SST
	26 SST
	29 SST
	30 SST
	38 SST
	39 SST

Dimensions

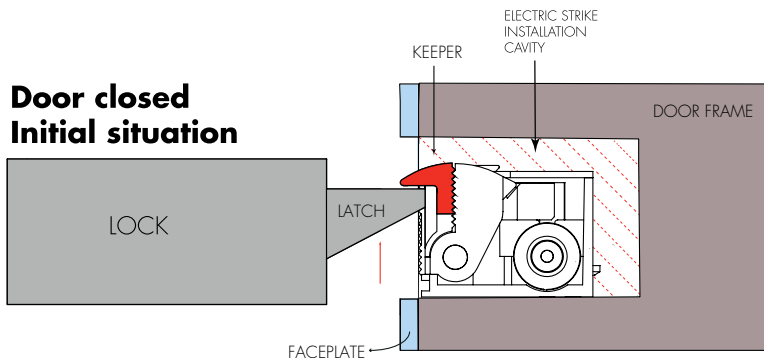


Mini electric strike with latch guide installed



Mini Latch Guide Feature

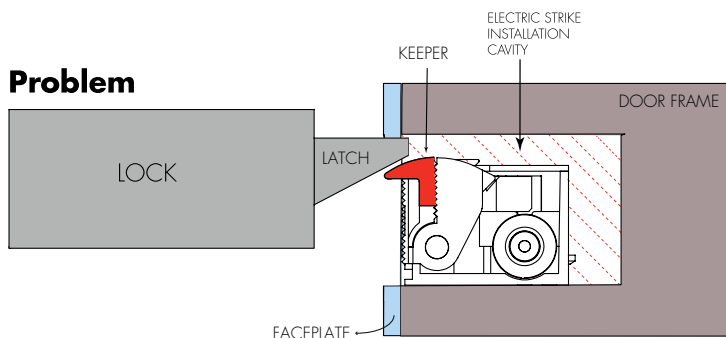
Door closed Initial situation



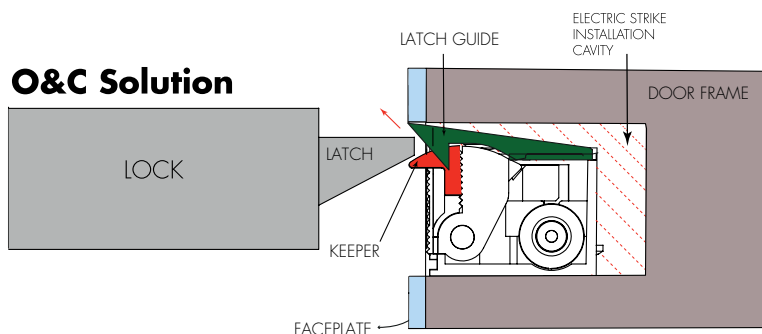
To understand the latch guide purpose, it is necessary to observe the latch movement when the door is about to be opened or closed. So, the following picture shows the initial position when the door is closed.

Problem

When the door is about to be opened, the latch may get blocked between the electric strike installation and the door frame cavity.



O&C Solution



Thanks to the latch guide feature in the mini electric strike, the door won't be blocked. The latch is going to slide along the latch guide without getting stuck in the strike installation cavity.



RIM

Series 1 & 2 RIM

Rim strikes are built with a cavity designed to house the dead bolt of rim locks.

They are available for either DIN right or left doors, for both horizontal (90 mm) and vertical (120 mm) mechanical locks.

Featuring a wide variety of functions and voltages, these strikes quickly unlock standard doors through low power consumption.

Technical features

- Guaranteed endurance rating: 300.000 cycles (120N side-load on AC)
Max. side-load on AC: 160 N
Max. side-load on DC: 10 N
- Break-in resistance: 5.000 N
- Operating temperature range: -15 °C /+40 °C
- Housing Material: Black painted aluminium
- Keeper Material: Zamak
- Maximum distance between the bolt and the latch: 5mm
- Guaranteed 3 years
- Complies with 2004/108/CE (EN 55014)
- Corrosion resistant according to UNI ISO 9227

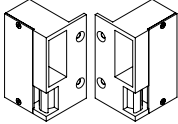
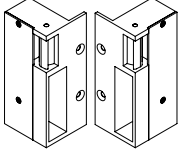
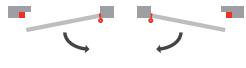
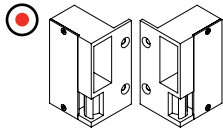
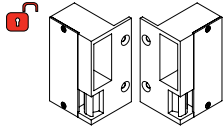
Coil features

B 8-14 V ac/dc < 1min
(12 Ω 0,8A at 12 V ac)

M 12 V dc ∞
(70 Ω 0,17A)

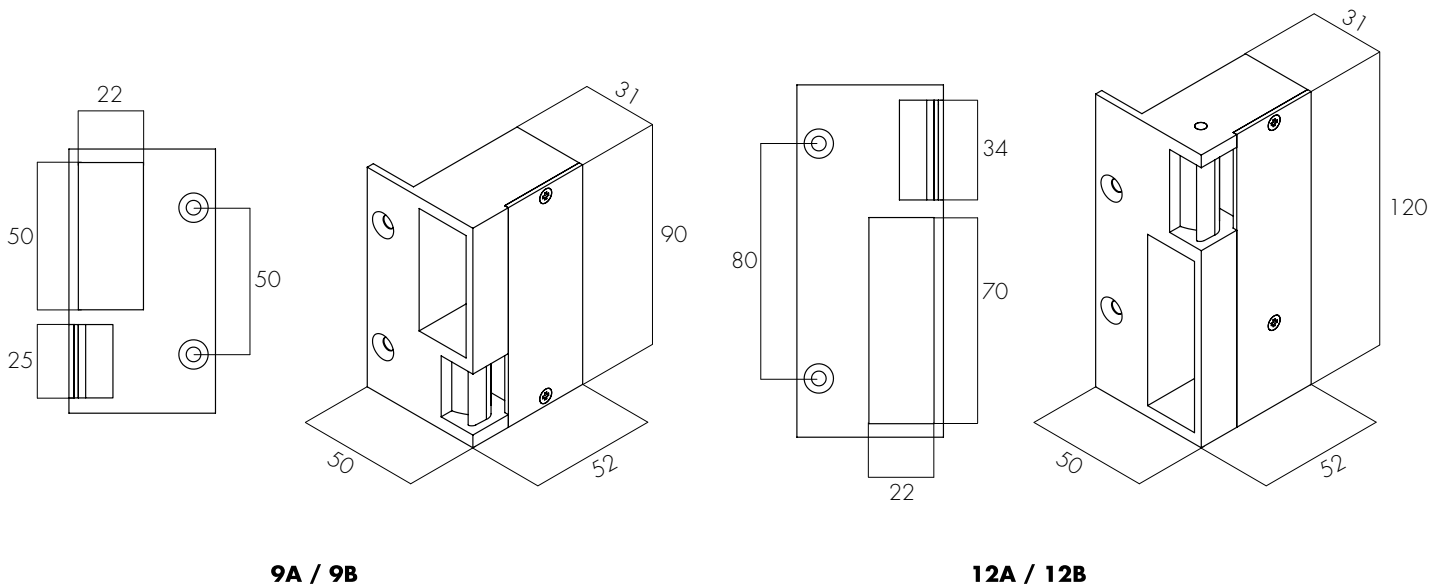
E 12 V dc ∞
(60 Ω 0,20A)

References and features

		Box	Fixed keeper	Voltage	References DIN right	References DIN left
	Fail-secure	90 mm	●	8-14 V ac/dc	10.0.9B.B	20.0.9A.B
		120 mm	●	8-14 V ac/dc	10.0.12A.B	20.0.12B.B
	NEW	120 mm	●	12 V dc	10.0.12A.E	20.0.12B.E
						
	Internal Hold-open	90 mm	●	9-14 V ac/dc	12A.0.9B.B	22A.0.9A.B
		120 mm	●	9-14 V ac/dc	12A.0.12A.B	22A.0.12B.B
	Fail-safe	90 mm	●	12 V dc	14.0.9B.M	24.0.9A.M
		120 mm	●	12 V dc	14.0.12A.M	24.0.12B.M

Electric strikes

Dimensions



IP54



WATERPROOF

Series 7R & 7L

Waterproof electric strikes are designed for **outdoor installations** particularly in wet or dusty areas. The curved design of the base of the box allows the installation of locks where the separation between the latch and the first bolt is only 5 mm.

The model with monitoring operates by magnetism and it is an O&C patented system which ensures the insulation of the reed box.

DC models are equipped with electronic protection in order to prevent damages to your access control system. This also represents an advantage for the installer as the connection is not polarized.

Manufactured for right and left opening doors and featuring a wide variety of functions and voltages, these strikes quickly unlock standard doors through low power consumption.

Technical features

- Guaranteed endurance rating: 300.000 cycles (120N side-load on AC)
Max. side-load on AC: 160 N
Max. side-load on DC: 10 N
- Break-in resistance: 5.000 N
- Operating temperature range: -15 °C /+40 °C
- Housing Material: Zamak
- Keeper Material: Zamak
Keeper Depth: 8,81 mm
- Guaranteed 3 years
- Complies with 2004/108/CE (EN 55014)
- Corrosion resistant according to UNI ISO 9227

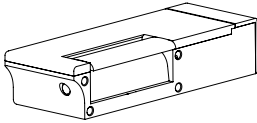
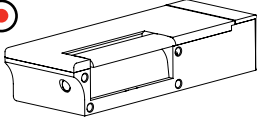
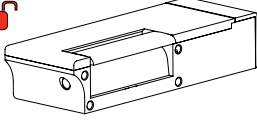
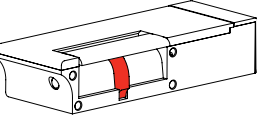
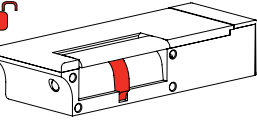

Certifications

- IP 54 certified (protected against dust and water)

Coil features

- L** 8-14 V ac/dc < 1min
[20 Ω 0,48A at 12 V ac]
- M** 12 V dc ∞
[70 Ω 0,17A]
- N** 24 V dc ∞
[240 Ω 0,10A]

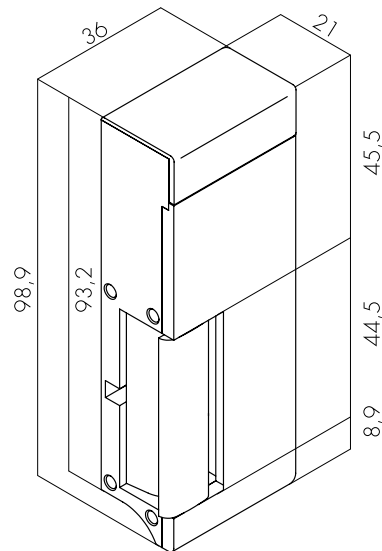
References and features

	Fixed keeper	Side-load	Electronic protection	Voltage	References DIN right add faceplate	References DIN left add faceplate
 Fail-secure	●	●		8-14 V ac/dc	7R0.4.00.L	7L0.4.00.L
	●		●	12 V dc	7R0.4.00.M	7L0.4.00.M
	●		●	24 V dc	7R0.4.00.N	7L0.4.00.N
 Internal Hold-open	●	●		9-14 V ac/dc	7R2A.4.00.L	7L2A.4.00.L
 Fail-safe	●		●	12 V dc	7R4.4.00.M	7L4.4.00.M
	●		●	24 V dc	7R4.4.00.N	7L4.4.00.N
 Fail-secure with monitoring	●	●		8-14 V ac/dc	7R6.4.00.L	7L6.4.00.L
	●		●	12 V dc	7R6.4.00.M	7L6.4.00.M
	●		●	24 V dc	7R6.4.00.N	7L6.4.00.N
 Fail-safe with monitoring	●		●	12 V dc	7R8.4.00.M	7L8.4.00.M
	●		●	24 V dc	7R8.4.00.N	7L8.4.00.N
 REED			Maximum voltage	100 V DC		
			Maximum current	0,3 A		
			Maximum power	3 W		

Recommended Faceplates

SHORT	LONG
76 SST	68 SST
	69 SST
	75 SST

Dimensions





ARMOURED

Series 9R & 9L

These electric strikes have been especially designed for armoured doors secured by **multipoint locks** where the separation between the latch and the first bolt is only 5mm.

DC models are equipped with electronic protection in order to prevent damages to your access control system. This also represents an advantage for the installer as the connection is not polarized.

Featuring a wide variety of functions and voltages, these strikes quickly unlock standard doors through low power consumption.

Technical features

- Guaranteed endurance rating: 300.000 cycles (120N side-load on AC)
Max. side-load on AC: 160 N
Max. side-load on DC: 10 N
- Break-in resistance: 7.000 N
- Dynamic Strength: 50 ft lbf
- Operating temperature range: -15 °C /+40 °C
- Housing Material: Zamak
- Keeper Material: Zamak
Keeper's Adjustability: 3 mm
Keeper Depth: 6 mm
- Patented coil-fastening system
- Guaranteed 3 years
- Complies with 2004/108/CE (EN 55014)
- Corrosion resistant according to UNI ISO 9227

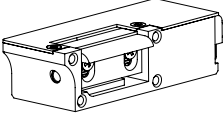
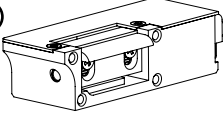
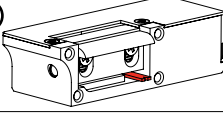
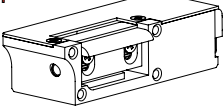
Coil features

L 8-14 V ac/dc < 1min
(20 Ω 0,48A at 12 V ac)

M 12 V dc ∞
(70 Ω 0,17A)

N 24 V dc ∞
(240 Ω 0,10A)

References and features

	Adjustable keeper	Side-load	Electronic protection	Voltage	References DIN right add faceplate	References DIN left add faceplate
 Fail-secure	●	●		8-14 V ac/dc	9R0.1.00.L	9L0.1.00.L
	●		●	12 V dc	9R0.1.00.M	9L0.1.00.M
	●		●	24 V dc	9R0.1.00.N	9L0.1.00.N
 Internal Hold-open	●	●		9-14 V ac/dc	9R2A.1.00.L	9L2A.1.00.L
 Internal Hold-open with mechanical unlocking	●	●		9-14 V ac/dc	9R3A.1.00.L	9L3A.1.00.L
 Fail-safe	●		●	12 V dc	9R4.1.00.M	9L4.1.00.M
	●		●	24 V dc	9R4.1.00.N	9L4.1.00.N

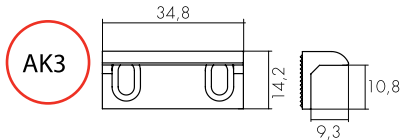
Recommended Faceplates

LONG

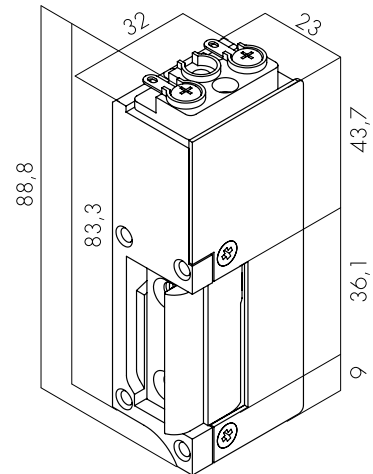
- 60 SST
- 70 SST

Available keepers

Deep adjustable keeper
Supplied upon request



Dimensions





EMERGENCY

Series 4

These strikes are designed to be installed on emergency exit doors equipped with **panic bars** and allow the access from outside through an access control system.

Ideal for doors that require high level of reliability and safety, these strikes are usually connected with fire control systems.

DC models are equipped with electronic protection in order to prevent damages to your access control system. This also represents an advantage for the installer as the connection is not polarized.

Featuring a wide variety of functions and voltages, these strikes quickly unlock standard doors through low power consumption.

Technical features

- Guaranteed endurance rating: 300.000 cycles (120N side-load on AC)
Max. side-load on AC: 160 N
Max. side-load on DC: 10 N
- Break-in resistance: 7.000 N
- Dynamic Strength: 33 ft lbf
- Operating temperature range: -15 °C /+40 °C
- Housing Material: Zamak
- Keeper Material: Zamak
Keeper Depth: 9,59 mm
- Patented coil-fastening system
- Guaranteed 3 years
- Complies with 2004/108/CE (EN 55014)
- Corrosion resistant according to UNI ISO 9227

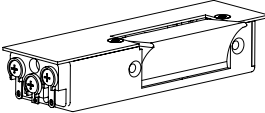
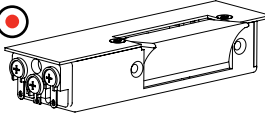
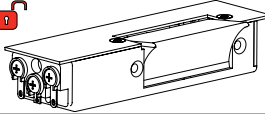
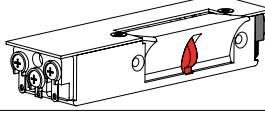
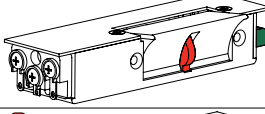
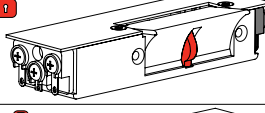
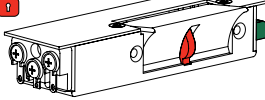
Coil features

- | | |
|---|------------------------------------|
| L 8-14 V ac/dc < 1min
(20 Ω 0,48A at 12 V ac) | M 12 V dc ∞
(70 Ω 0,17A) |
| N 24 V dc ∞
(240 Ω 0,10A) | P 12 V dc ∞
(54 Ω 0,22A) |

Special coils available upon request:

- D** 24 V ac/dc <1min

References and features

	Symmetrical reversibility	Fixed keeper	Side-load	Electronic protection	Voltage	References add box
 Fail-secure	●	●	●		8-14 V ac/dc	40.6.00.L
	●	●		●	12 V dc	40.6.00.M
	●	●		●	24 V dc	40.6.00.N
 Internal Hold-open	●	●	●		9-14 V ac/dc	42A.6.00.L
 Fail-safe	●	●		●	12 V dc	44.6.00.M
	●	●		●	24 V dc	44.6.00.N
 Fail-secure with monitoring	●	●	●		8-14 V ac/dc	46.6.00.L
	●	●		●	12 V dc	46.6.00.M
	●	●		●	24 V dc	46.6.00.N
 Fail-secure with double monitoring	●	●		●	12 V dc	47.6.00.P
	●	●		●	24 V dc	47.6.00.N
 Fail-safe with monitoring	●	●		●	12 V dc	48.6.00.M
	●	●		●	24 V dc	48.6.00.N
 Fail-safe with double monitoring	●	●		●	12 V dc	49.6.00.P
	●	●		●	24 V dc	49.6.00.N

Monitoring features

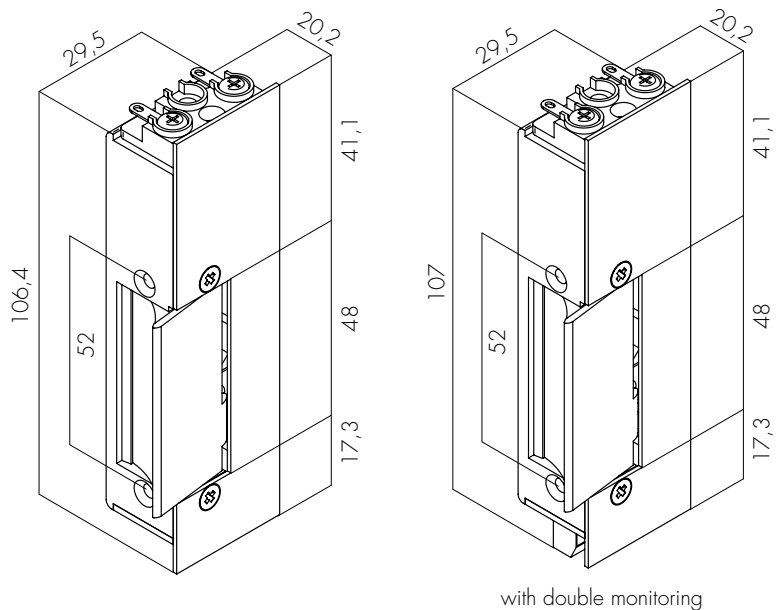
	Intensity	Contact resistance	Insulation resistance	Operating temperature
Microswitch S1	1A/125V ac 0,5A/30V dc	50 mΩ maximum	100 MΩ minimum (at 500V dc)	From -25°C to 65°C (without ice)
Microswitch S2 IP40	0,5A/30V dc	30 mΩ maximum	100 MΩ minimum (at 500V dc)	From -25°C to 70°C (without ice)

Recommended Boxes

BOX

- 82 Black
- 86B Black + Antivandal Base + C86
- 86C Chrome + Antivandal Base + C86

Dimensions





SECURITY

Series 4R & 4L

Security electric strikes are designed for doors connected to fire and **access control systems** or doors requiring a high level of security.

The zamak housing has been reinforced, in order to ensure higher resistance. The keeper is anchored through four support points.

DC models are equipped with electronic protection in order to prevent damages to your access control system. This also represents an advantage for the installer as the connection is not polarized.

They are manufactured for both right and left opening doors featuring a wide variety of functions and voltages, these strikes quickly unlock standard doors through low power consumption.

Technical features

- Guaranteed endurance rating: 300.000 cycles (120N side-load on AC)
Max. side-load on AC: 160 N
Max. side-load on DC: 10 N
- Break-in resistance: 7.000 N
- Dynamic Strength: 33 ft lbf
- Operating temperature range: -15 °C /+40 °C
- Housing Material: Reinforced Zamak
- Keeper Material: Steel
Keeper Depth: 9,48 mm
- Guaranteed 3 years.
- Complies with 2004/108/CE (EN 55014)
- Corrosion resistant according to UNI ISO 9227

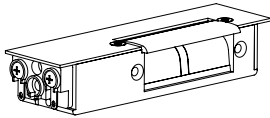
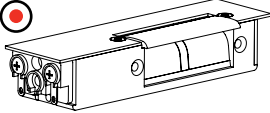
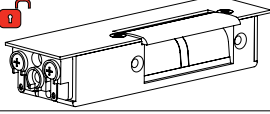
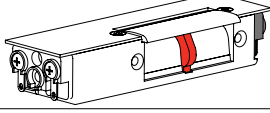
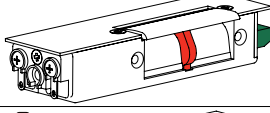
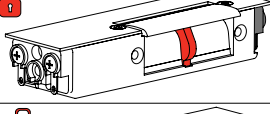
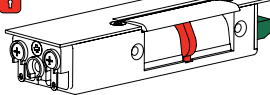
Coil features

- | | |
|---|------------------------------------|
| L 8-14 V ac/dc < 1min
(20 Ω 0,48A at 12 V ac) | M 12 V dc ∞
(70 Ω 0,17A) |
| N 24 V dc ∞
(240 Ω 0,10A) | P 12 V dc ∞
(54 Ω 0,22A) |

Special coils available upon request:

- D** 24 V ac/dc < 1min

References and features

	Fixed keeper	Side-load	Electronic protection	Voltage	References DIN right add faceplate	References DIN left add faceplate
 Fail-secure	●	●		8-14 V ac/dc	4R0.4.00.L	4L0.4.00.L
	●		●	12 V dc	4R0.4.00.M	4L0.4.00.M
	●		●	24 V dc	4R0.4.00.N	4L0.4.00.N
 Internal Hold-open	●	●		9-14 V ac/dc	4R2A.4.00.L	4L2A.4.00.L
 Fail-safe	●		●	12 V dc	4R4.4.00.M	4L4.4.00.M
	●		●	24 V dc	4R4.4.00.N	4L4.4.00.N
 Fail-secure with monitoring	●	●		8-14 V ac/dc	4R6.4.00.L	4L6.4.00.L
	●		●	12 V dc	4R6.4.00.M	4L6.4.00.M
	●		●	24 V dc	4R6.4.00.N	4L6.4.00.N
 Fail-secure with double monitoring	●		●	12 V dc		47.4.00.P
	●		●	24 V dc		47.4.00.N
 Fail-safe with monitoring	●		●	12 V dc	4R8.4.00.M	4L8.4.00.M
	●		●	24 V dc	4R8.4.00.N	4L8.4.00.N
 Fail-safe with double monitoring	●		●	12 V dc		49.4.00.P
	●		●	24 V dc		49.4.00.N

Monitoring features

	Intensity	Contact resistance	Insulation resistance	Operating temperature
Microswitch S1	1A/125V ac 0,5A/30V dc	50 mΩ maximum	100 MΩ minimum [at 500V dc]	From -25°C to 65°C (without ice)
Microswitch S2 IP40	0,5A/30V dc	30 mΩ maximum	100 MΩ minimum [at 500V dc]	From -25°C to 70°C (without ice)

Recommended Faceplates

SHORT

61 SST
66 SST

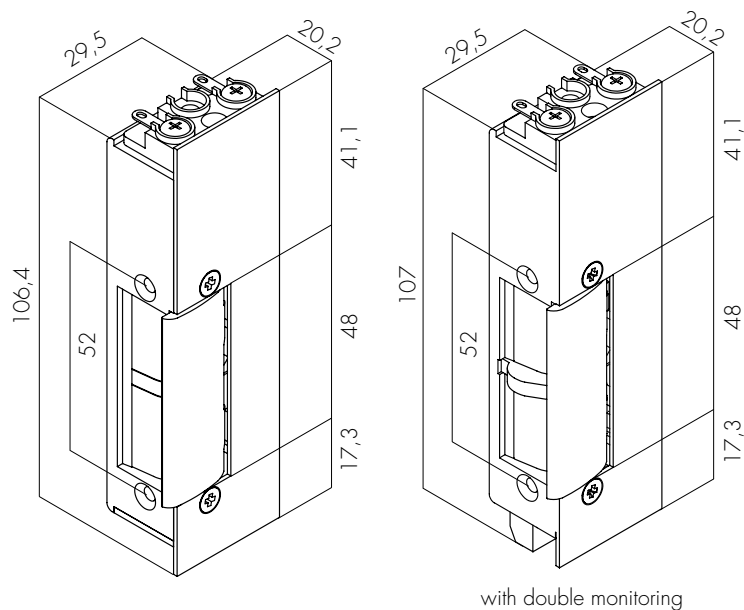
LONG

43 SST
67 SST
71 SST

ANGLED

16 Brown
17 Brown
45 Brown
48 Brown
49 SST
50 SST

Dimensions



with double monitoring



HIGH-SECURITY

Series 25

High-security electric strikes are considered one of the smallest and still **strongest strikes on the market**, the perfect solution for installations where high-performances are required.

They are 100% reversible and feature an adjustable keeper. The radial keeper rotates inside the mechanism box of the electric strike, so the installer does not have to cut the door frame to make it fit.

All models are equipped with electronic protection to prevent damage to the access control system they are connected to. This also represents an advantage for the installer as the connection is not polarized.

Featuring a wide variety of functions and voltages, these strikes quickly unlock standard doors through low power consumption.

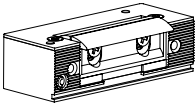
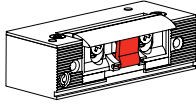
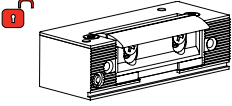
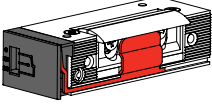
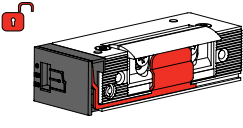
Technical features

- Guaranteed endurance rating: 300.000 cycles (120N side-load on AC)
Max. side-load on AC: 160 N
Max. side-load on DC: 10 N
- Break-in resistance: 10.000 N
- Dynamic Strength: 70 ft lbf
- Operating temperature range: -15 °C /+40 °C
- Housing Material: Steel
- Keeper Material: Stainless Steel
Keeper's Adjustability: 3 mm
Keeper Depth: 6 mm
- New hold-open system
- Guaranteed 3 years
- Complies with 2004/108/CE (EN 55014)
- Corrosion resistant according to UNI ISO 9227

Coil features

- | | |
|---|--|
| <p>B 8-14 V ac/dc <1min
(14 Ω 0,68A at 12 V ac)</p> | <p>J 5-12 V ac/dc <1min
(8 Ω 0,9A at 9 V ac)</p> |
| <p>E 12 V dc ∞
(50 Ω 0,25A)</p> | <p>F 24 V dc ∞
(185 Ω 0,12A)</p> |

References and features

		Radial adjustable keeper	Reversible	Side-load	Electronic protection	Voltage	References add faceplate
	Fail-secure	●	●	●	●	8-14 V ac/dc	250.1.00.B
		●	●	●	●	5-12 V ac/dc	250.1.00.J
		●	●		●	12 V dc	250.1.00.E
		●	●		●	24 V dc	250.1.00.F
	Hold-open	●	●	●	●	8-14 V ac/dc	252.1.00.B
		●	●	●	●	5-12 V ac/dc	252.1.00.J
	Fail-safe	●	●		●	12 V dc	254.1.00.E
		●	●		●	24 V dc	254.1.00.F
	Fail-secure with monitoring	●	●	●	●	8-14 V ac/dc	256.1.00.B
		●	●	●	●	5-12 V ac/dc	256.1.00.J
		●	●		●	12 V dc	256.1.00.E
		●	●		●	24 V dc	256.1.00.F
	Fail-safe with monitoring	●	●		●	12 V dc	258.1.00.E
		●	●		●	24 V dc	258.1.00.F

Monitoring features

		Intensity	Contact resistance	Insulation resistance	Operating temperature
Microswitch S3	IEC IP67 excluding the terminal	0,1A/125V ac 2A/12V dc	100 mΩ maximum	100 MΩ minimum (at 500V dc)	From -40°C to 85°C (without ice)

Recommended Faceplates

SHORT

61 SST
66 SST
92 SST

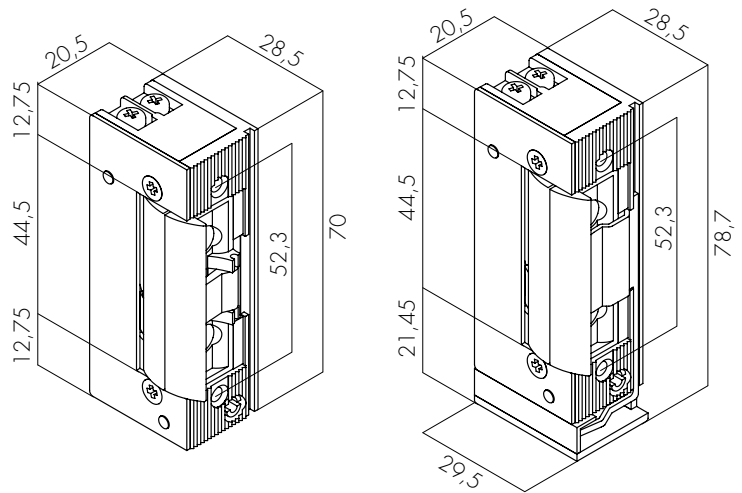
LONG

43 SST
63 SST
67 SST
71 SST
C63 SST

ANGLED

16 Brown
17 Brown
45 Brown
48 Brown
49 SST
50 SST

Dimensions



with monitoring



FIRE

Series 24R & 24L

These electric strikes are the ideal solution for **fire doors rated up to 120 minutes** and are able to resist temperatures above 1.100 °C.

DC models are equipped with electronic protection in order to prevent damages to your access control system. This also represents an advantage for the installer as the connection is not polarized.

Manufactured for left and right DIN opening doors and featuring a wide variety of functions and voltages, these strikes quickly unlock fire doors through low power consumption.

Technical features

- Guaranteed endurance rating: 300.000 cycles (120N side-load on AC)
Max. side-load on AC: 160 N
Max. side-load on DC: 10 N
- Break-in resistance: 10.000 N
- Dynamic Strength: 33 ft lbf
- Operating temperature range: -15 °C /+40 °C
- Housing Material: Steel
- Keeper Material: Steel
Keeper Depth: 9,48 mm
- Guaranteed 3 years
- Complies with 2004/108/CE (EN 55014)
- Corrosion resistant according to UNI ISO 9227

Certifications

- UNE EN 1634-1, FR-120

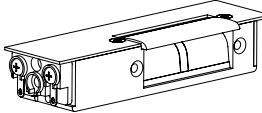
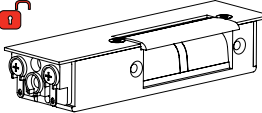
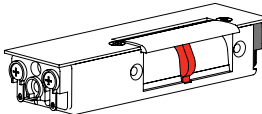
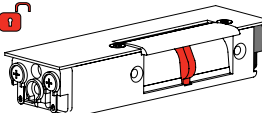
Coil features

- | | |
|---|------------------------------------|
| L 8-14 V ac/dc < 1min
(20 Ω 0,48A at 12 V ac) | M 12 V dc ∞
(70 Ω 0,17A) |
| N 24 V dc ∞
(240 Ω 0,10A) | P 12 V dc ∞
(54 Ω 0,22A) |

Special coils available upon request:

- D** 24 V ac/dc <1min

References and features

	Fixed keeper	Side-load	Electronic protection	Voltage	References DIN right add faceplate	References DIN left add faceplate
 Fail-secure	●	●		8-14 V ac/dc	24R0.4.00.L	24L0.4.00.L
	●		●	12 V dc	24R0.4.00.M	24L0.4.00.M
	●		●	24 V dc	24R0.4.00.N	24L0.4.00.N
 Fail-safe	●		●	12 V dc	24R4.4.00.P	24L4.4.00.P
	●		●	24 V dc	24R4.4.00.N	24L4.4.00.N
 Fail-secure with monitoring	●	●		8-14 V ac/dc	24R6.4.00.L	24L6.4.00.L
	●		●	12 V dc	24R6.4.00.M	24L6.4.00.M
	●		●	24 V dc	24R6.4.00.N	24L6.4.00.N
 Fail-safe with monitoring	●		●	12 V dc	24R8.4.00.P	24L8.4.00.P
	●		●	24 V dc	24R8.4.00.N	24L8.4.00.N

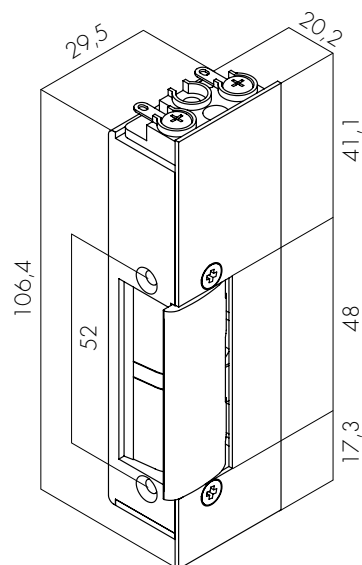
Monitoring features

Microswitch S1	Intensity	Contact resistance	Insulation resistance	Operating temperature
	1A/125V ac 0,5A/30V dc	50 mΩ maximum	100 MΩ minimum (at 500V dc)	From -25°C to 65°C (without ice)

Recommended Faceplates

SHORT	LONG
61 SST	43 SST
66 SST	67 SST
	71 SST

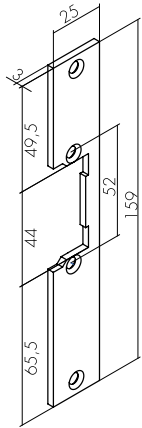
Dimensions



FACEPLATES

Type	Faceplate	Color	Reversible	DIN Left	DIN Right	BASIC	SYMMETRIC	MINI	MINI LATCH GUIDE	SECURITY	HIGH SECURITY	WATERPROOF	FIRE	EMERGENCY	ARMOURED	
Short	01	Grey	•			•	•									
	02	Grey	•				•									
	27	SST	•					•	•							
	28	SST	•					•	•							
	61	SST	•			•	•			•	•		•			
	62	SST	•				•									
	66	SST	•			•				•	•		•			
	76	SST	•									•				
	92	SST	•					•				•				
Boxes	80	Grey	•			•										
	81	Grey	•			•	•									
	82	Black	•											•		
	84	Grey Chrome Brass	•			•	•									
	86	Black Chrome	•												•	
C86 (6 unit accessory for box 86)																
Long	03	Grey Brown	•			•										
	04	Grey Brown	•			•	•									
	05	Grey Brown	•			•	•									
	20	SST			•	•	•									
	21	SST		•		•	•									
	22	SST			•				•	•						
	23	SST		•					•	•						
	26	SST	•						•	•						
	29	SST	•						•	•						
	30	SST	•						•	•						
	38	SST	•							•						
	39	SST	•							•						
	43	SST	•				•				•	•		•		
	60	SST	•													•
	63	SST	•				•					•				
	64	SST	•				•	•								
	65	SST	•				•	•								
	67	SST	•				•				•	•		•		
	68	SST	•										•			
	69	SST	•										•			
	70	SST	•													•
	71	SST	•					•						•		
	73	SST			•		•	•								
	74	SST		•			•	•								
	75	SST	•										•			
	C63	SST	•				•					•				
	C64	SST	•				•	•								
	C65	SST	•				•	•								
	D3	Grey Brown	•				•									
	D4	Grey Brown	•				•	•								
	Angled	08	Brown			•	•	•								
		09	Brown		•		•	•								
10		Brown			•	•										
11		Brown		•		•	•									
12		Brown			•	•	•									
13		Brown		•		•	•									
14		Brown			•	•	•									
15		Brown		•		•	•									
16		Brown	•			•	•			•	•					
17		Brown	•			•	•			•	•					
24		SST			•				•							
25		SST		•					•							
45		Brown			•					•	•					
48		Brown		•						•	•					
49		SST			•					•	•					
50	SST		•						•	•						

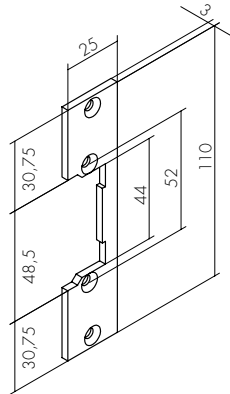
SHORT



Reversible

01 GREY

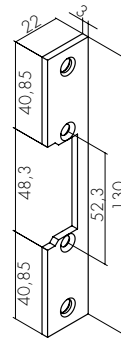
61 SST
3mm



Reversible

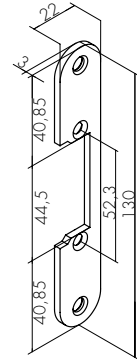
02 GREY

62 SST
3mm



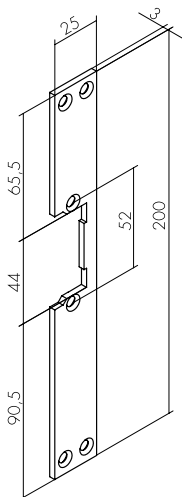
Reversible

27 SST
3mm



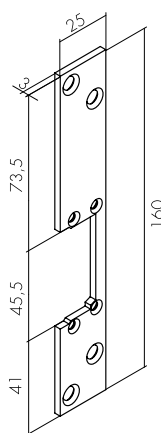
Reversible

28 SST
3mm



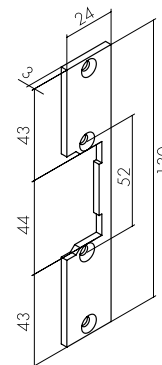
Reversible

66 SST
3mm



Reversible

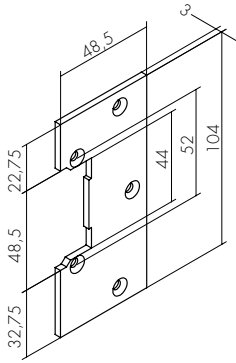
76 SST
3mm



Reversible

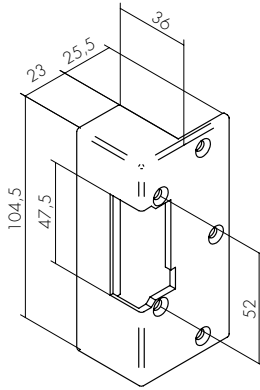
92 SST
3mm

BOXES



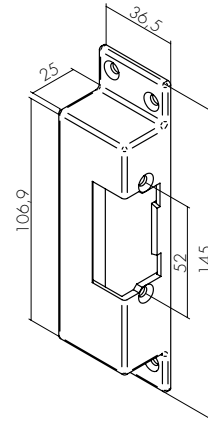
Reversible

80 GREY



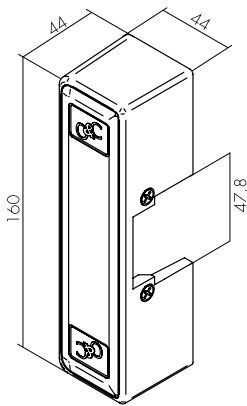
Reversible

81 GREY



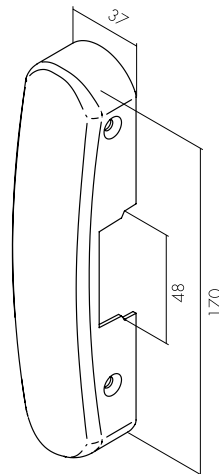
Reversible

84 GREY
CHROME
BRASS



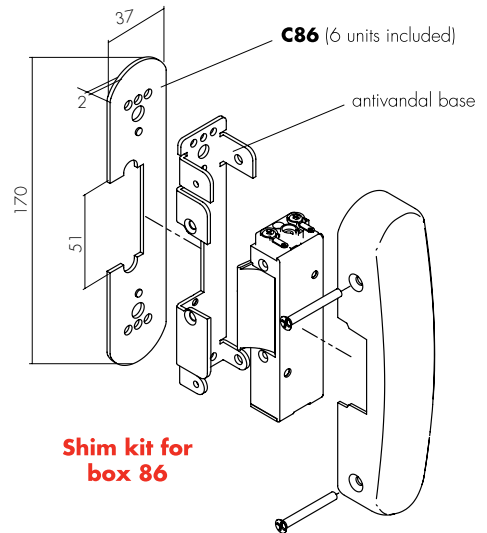
Reversible

82 BLACK



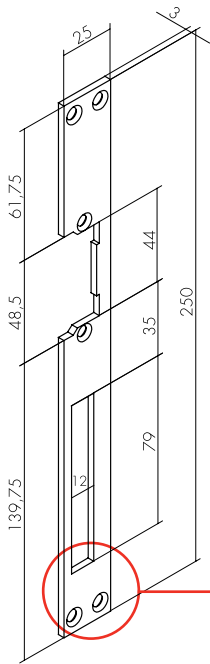
Reversible

86 BLACK + ANTIVANDAL + C86
CHROME BASE



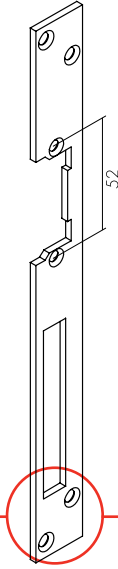
Shim kit for
box 86

LONG



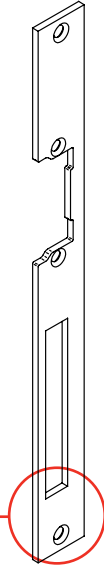
Reversible

03 GREY BROWN



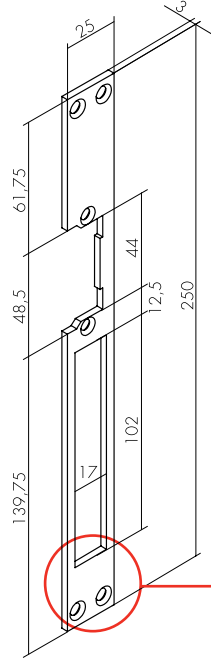
Reversible

D3 GREY BROWN



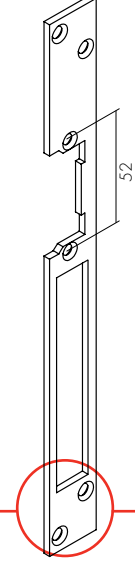
Reversible

C63 SST 3mm



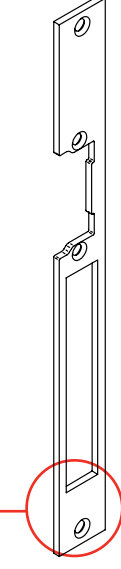
Reversible

04 GREY BROWN



Reversible

D4 GREY BROWN

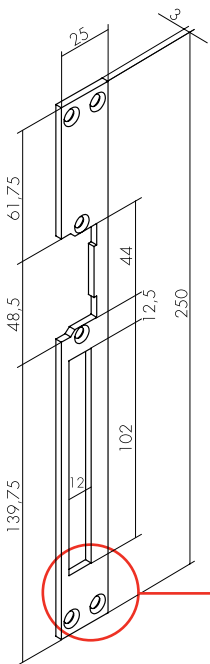


Reversible

C64 SST 3mm

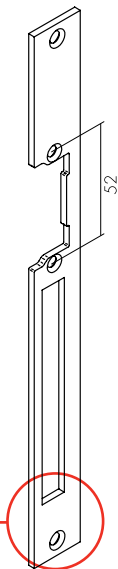
63 SST 3mm

64 SST 3mm



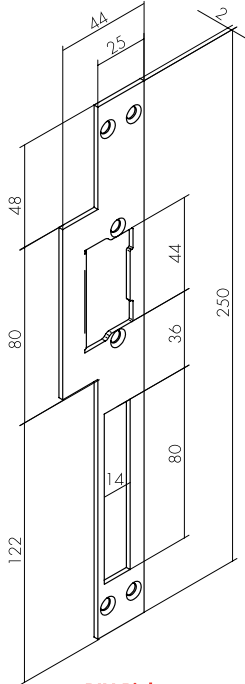
Reversible

05 GREY BROWN



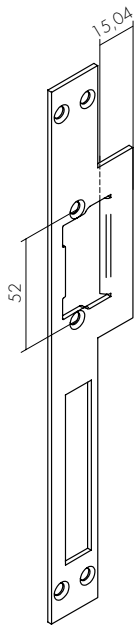
Reversible

C65 SST 3mm



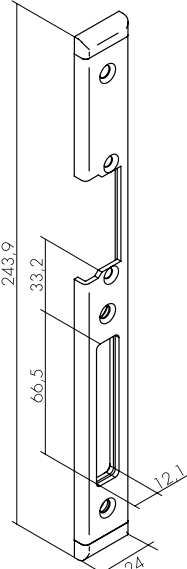
DIN Right

20 SST 2mm



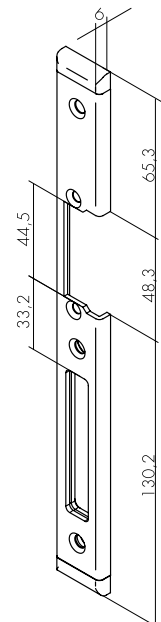
DIN left

21 SST 2mm



DIN Right

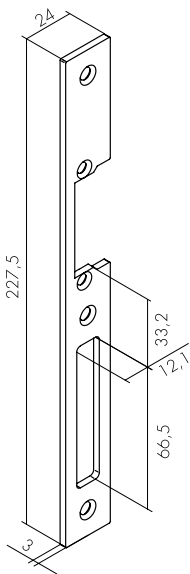
22 SST 3mm



DIN Left

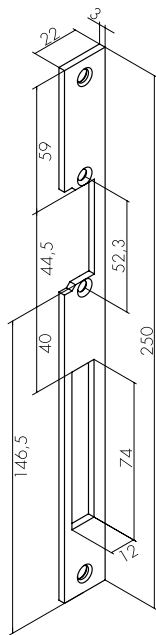
23 SST 3mm

65 SST 3mm



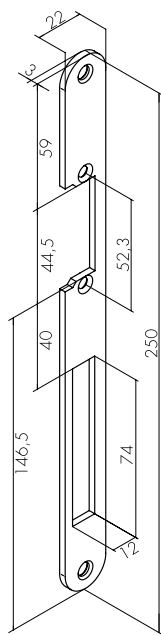
Reversible

26 SST
3mm



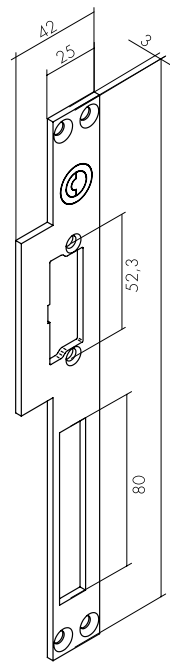
Reversible

29 SST
3mm



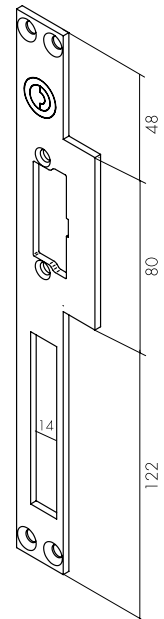
Reversible

30 SST
3mm



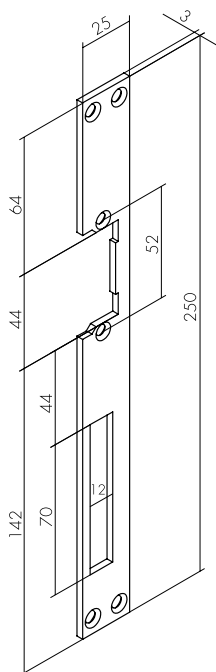
DIN Right

38 SST
3mm



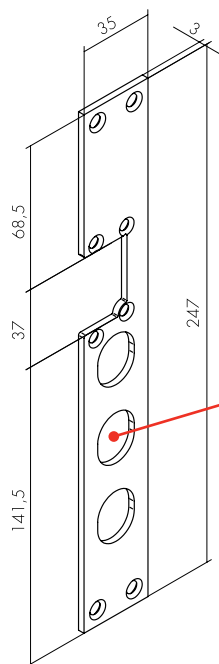
DIN Left

39 SST
3mm



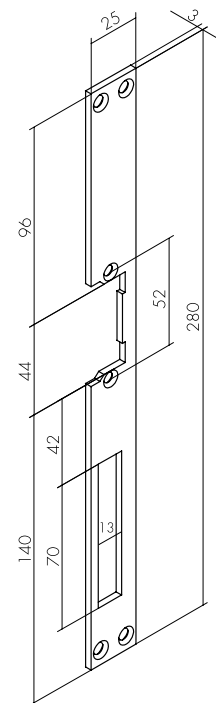
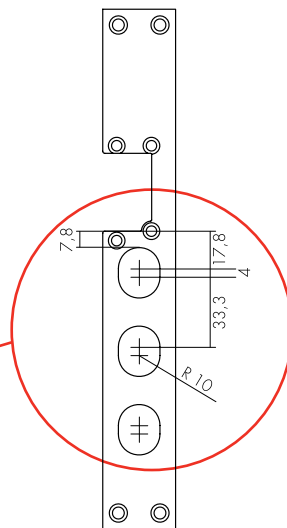
Reversible

43 SST
3mm



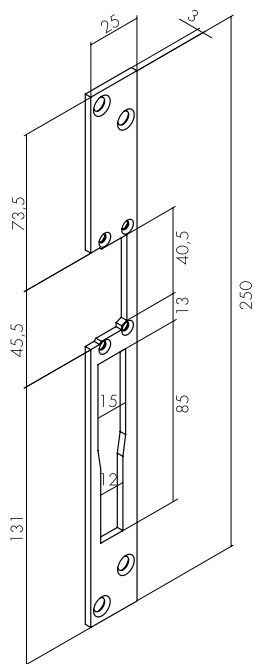
Reversible

60 SST
3mm



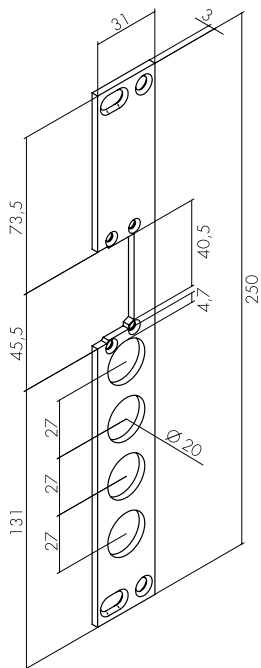
Reversible

67 SST
3mm



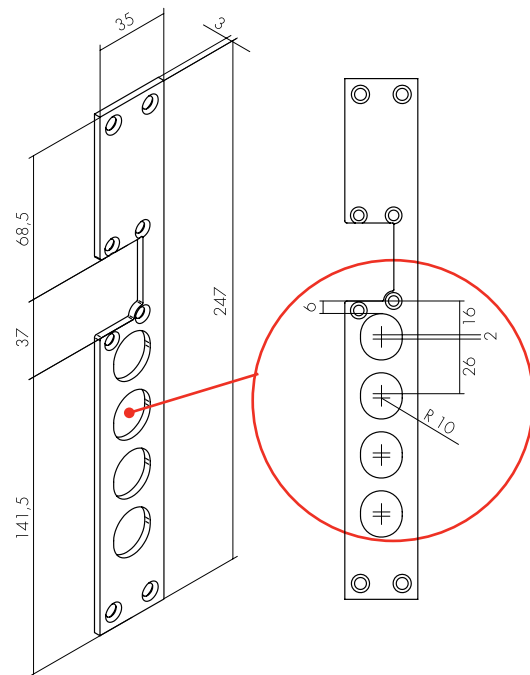
Reversible

68 SST
3mm



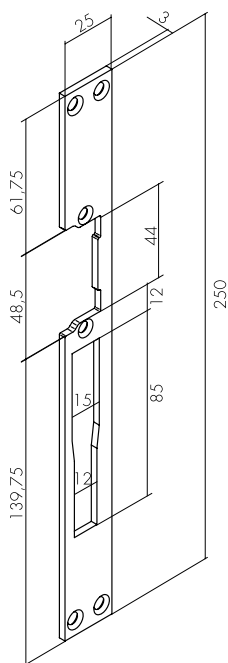
Reversible

69 SST
3mm



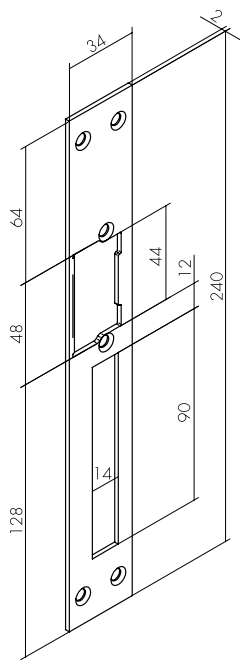
Reversible

70 SST
3mm



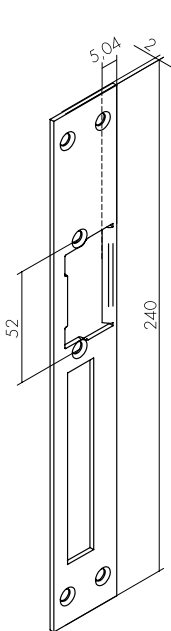
Reversible

71 SST
3mm



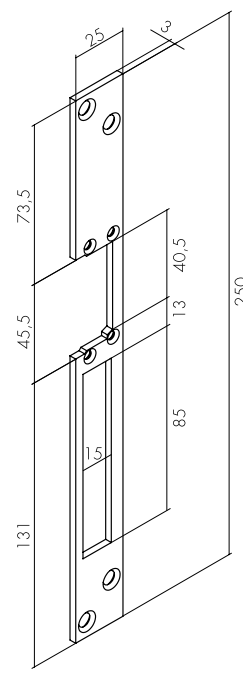
DIN Right

73 SST
2mm



DIN Left

74 SST
2mm

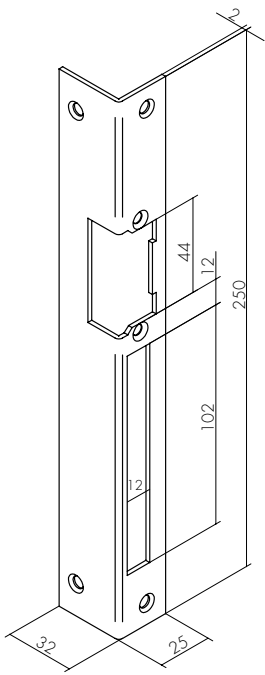


Reversible

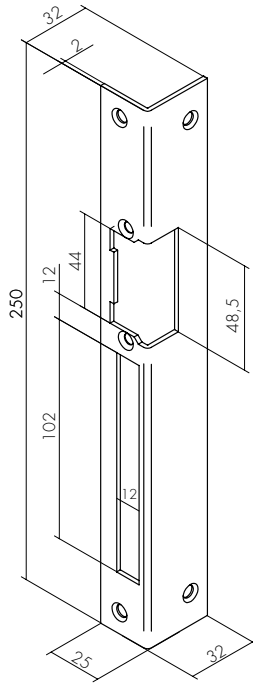
75 SST
3mm

ANGLED

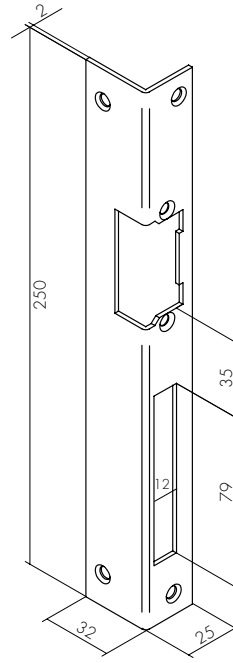
Electric strikes



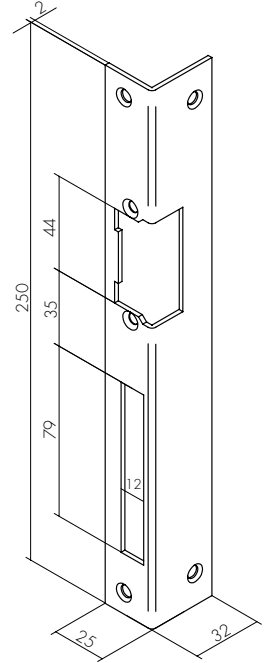
DIN Right
08 BROWN



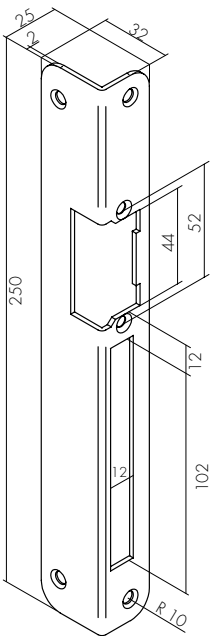
DIN Left
09 BROWN



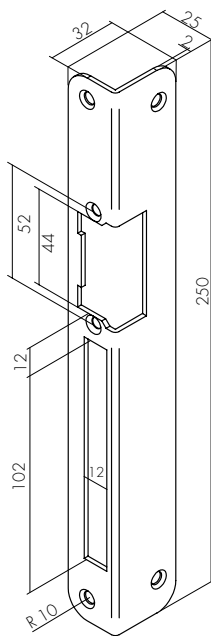
DIN Right
10 BROWN



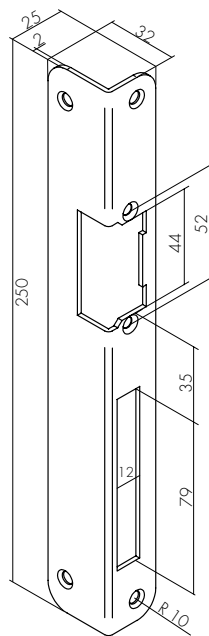
DIN Left
11 BROWN



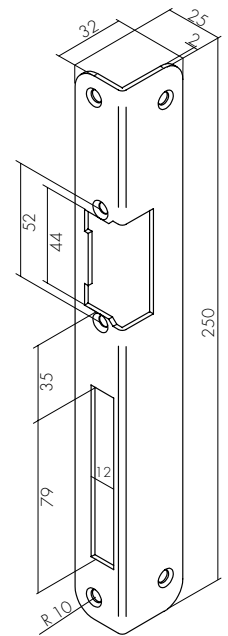
DIN Right
12 BROWN



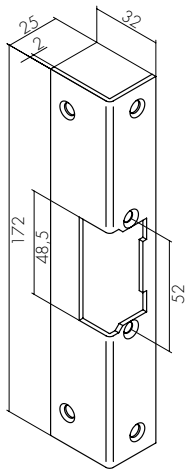
DIN Left
13 BROWN



DIN Right
14 BROWN

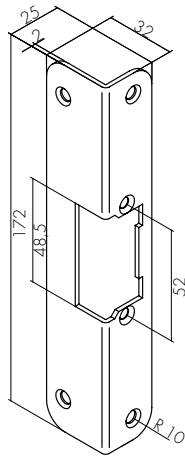


DIN Left
15 BROWN



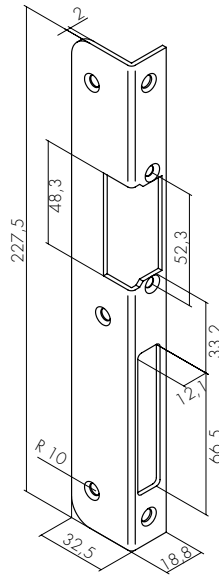
Reversible

16 BROWN



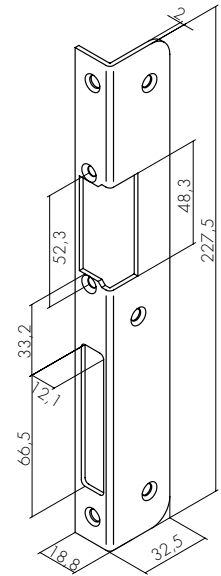
Reversible

17 BROWN



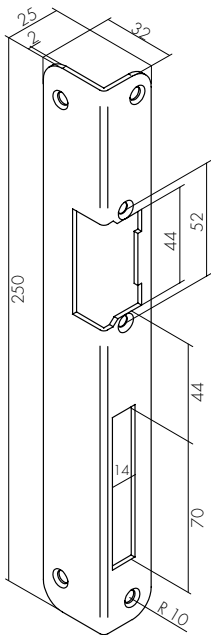
DIN Right

24 SST
2mm



DIN Left

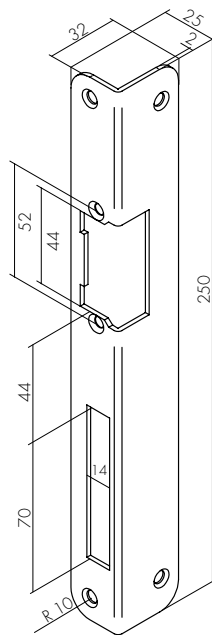
25 SST
2mm



DIN Right

45 BROWN

49 SST
2mm



DIN Left

48 BROWN

50 SST
2mm

DUMMY

During construction works, it is recommended to install a provisional keeper behind the faceplate that will house the electric strike. This will keep the door closed during works and prevent deterioration (or theft) of high-valuable electric strikes.

CSR 001

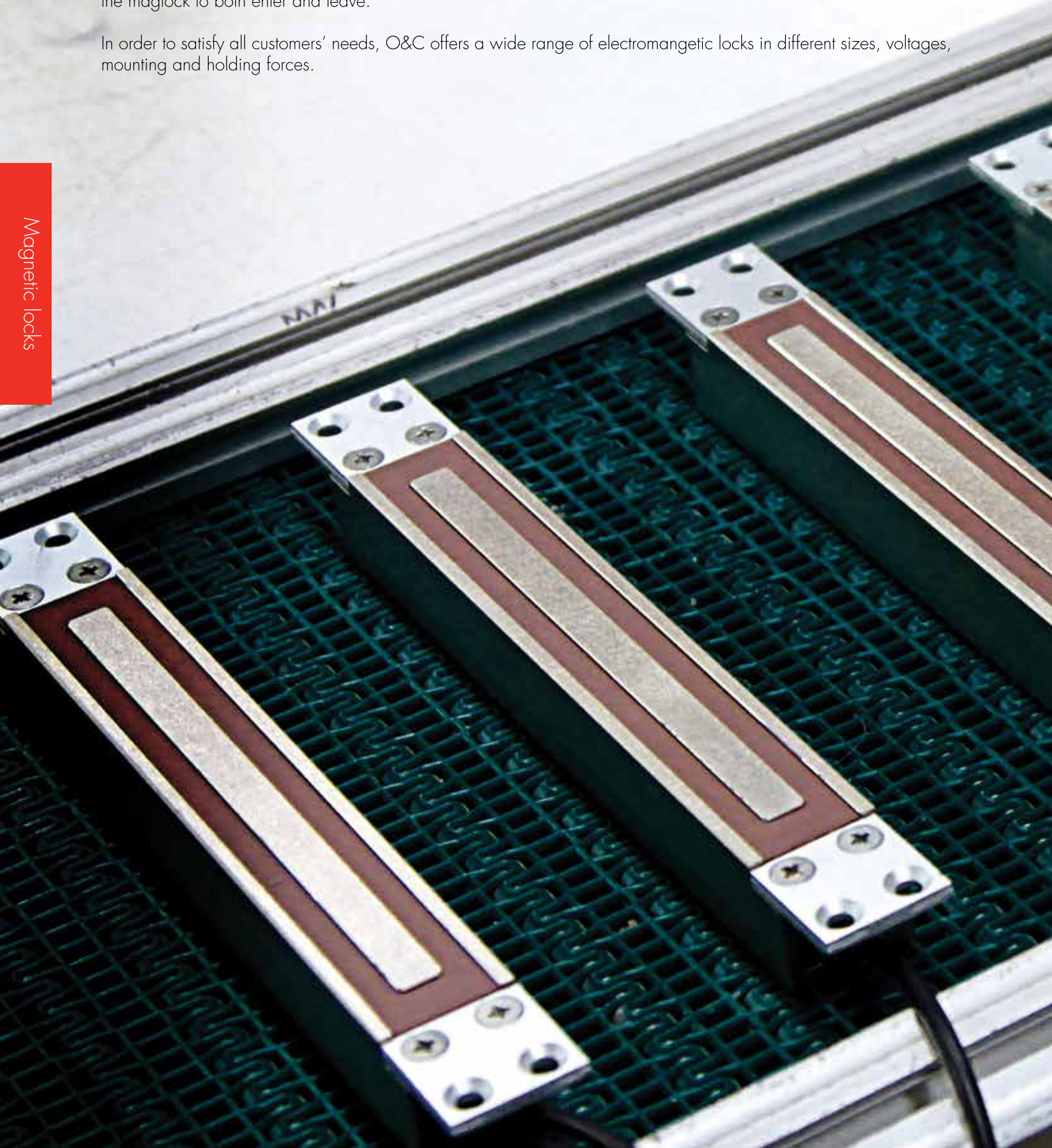
ELECTROMAGNETIC LOCKS

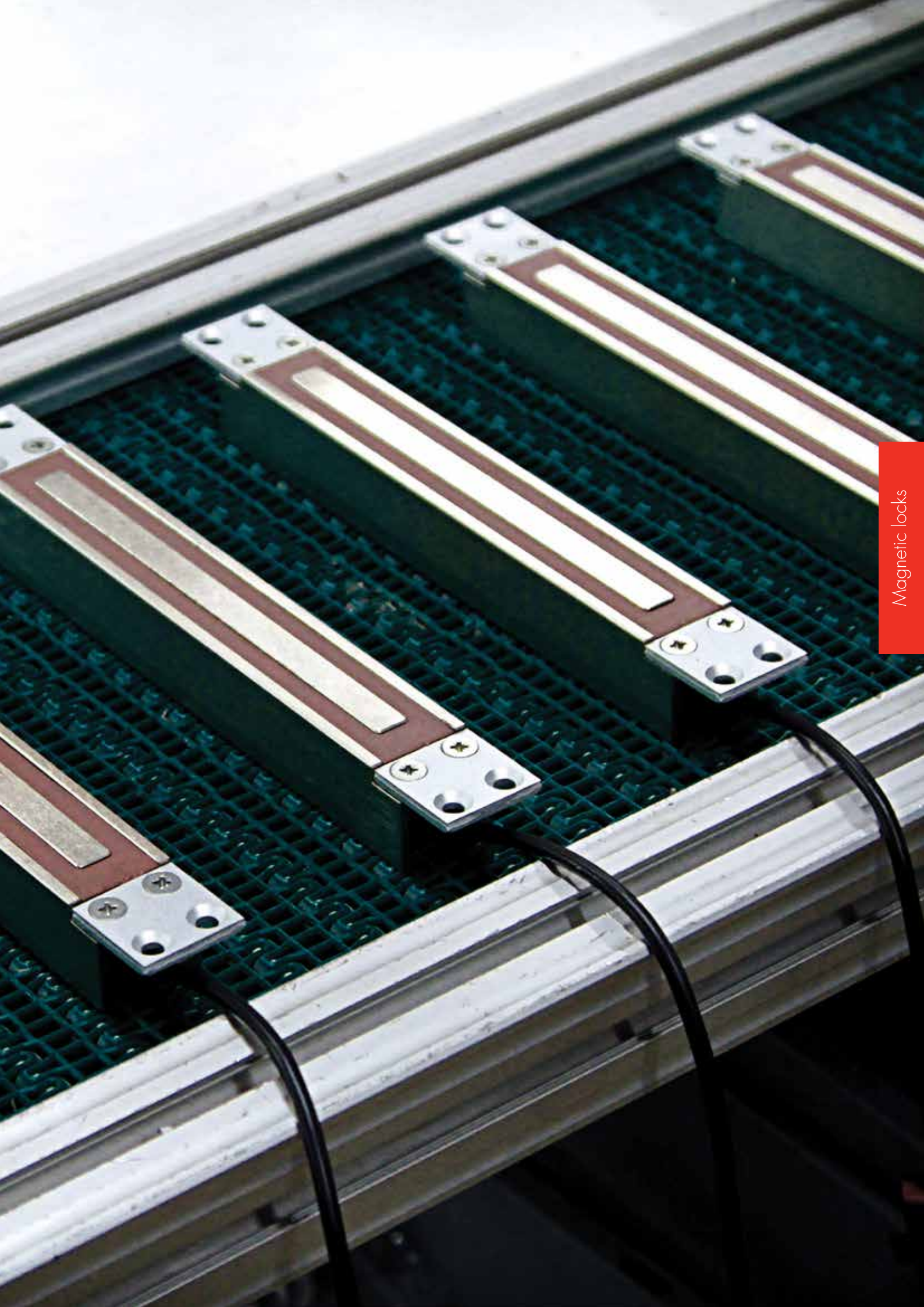
Magnetic locks (commonly called maglocks) are a more and more popular choice among security installers for being simple to install, durable, reliable and very resistant.

A large electro-magnet is mounted on the door frame and the corresponding counterplate is mounted on the door.

When the magnet is powered and the door is closed, the counterplate is held fast to the magnet. One must unlock the maglock to both enter and leave.

In order to satisfy all customers' needs, O&C offers a wide range of electromangetic locks in different sizes, voltages, mounting and holding forces.





Magnetic locks

BASIC



Series MEX

Basic electromagnetic locks are the perfect locking solution for **emergency doors** and access control systems. In case of power failure, all doors will automatically open, making it safe for the occupants to exit.

They are available for mortise and rim installations with a wide range of brackets allowing an easy installation on any kind of doors and door frames.

Moreover, our vandal protection system secures the electromagnetic lock against tampering, theft or removal.

Our MEX 70 is especially designed for small applications such as closets, cabinets, showcases, drawers and lockers.

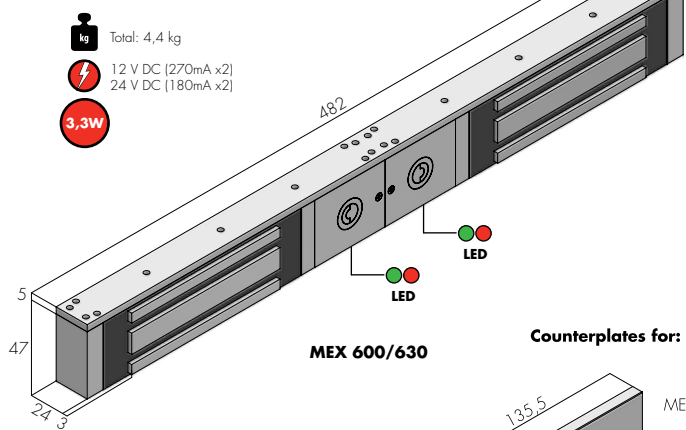
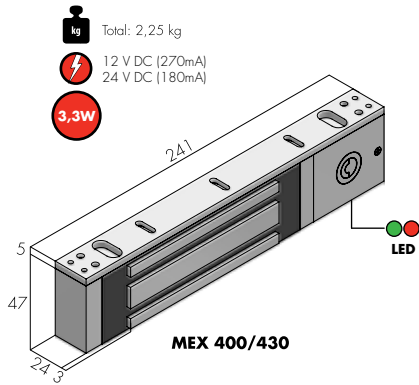
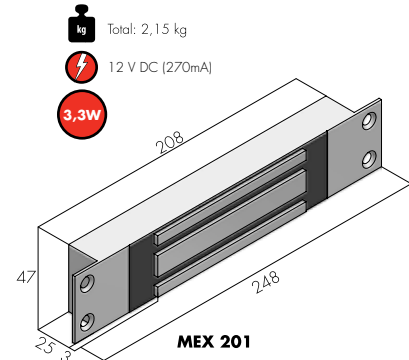
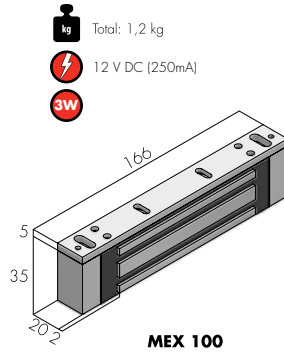
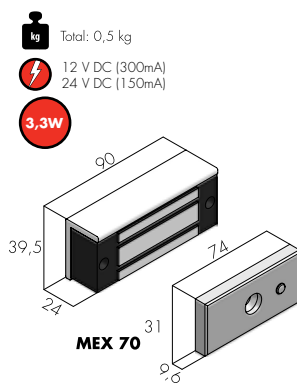
Technical features

- Dual voltage 12/24V dc
12V dc for MEX 100 and MEX 201 models
- Reed + LED monitoring (open/closed)
- Low power consumption
- Electronic protection
- Vandal Protection
- Timer (5 to 30 seconds)
- Guaranteed 3 years

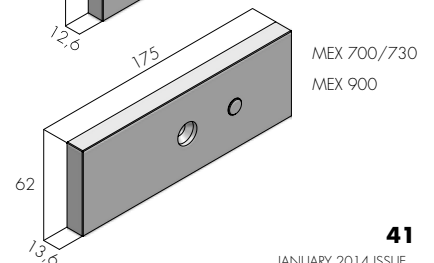
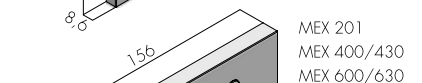
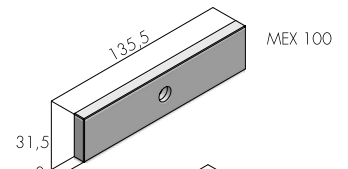
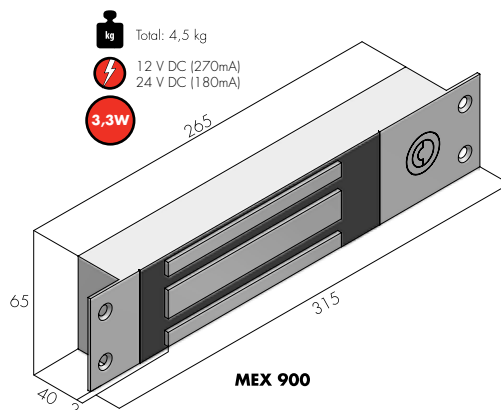
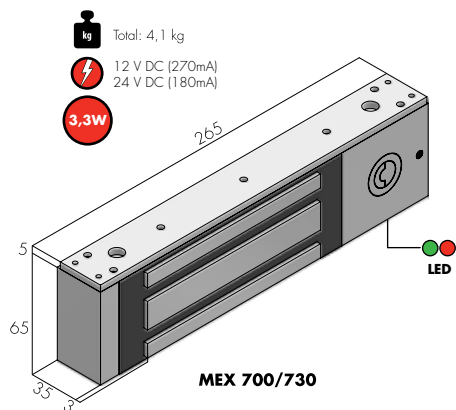
References and features

Holding force	12 Vdc	12/24 Vdc (manual)	12/24 Vdc (automatic)	Mortise	Rim	Monitoring	LED	L	Z	U	Mounting kit for FR fire doors		References
								Outward opening doors	Inward opening doors	Glass doors	MRF 810	MRF 820	
500 N		•			•	•							MEX 70
1.800 N	•				•			•	•	•			MEX 100
3.000 N	•			•									MEX 201
3.000 N			•		•			•	•	•	•		MEX 400
3.000 N			•		•	•	•	•	•	•	•		MEX 430
3.000 N x2			•		•			•	•	•	•		MEX 600
3.000 N x2			•		•	•	•	•	•	•	•		MEX 630
6.500 N			•		•			•	•			•	MEX 700
6.500 N			•		•	•	•	•	•			•	MEX 730
6.500 N			•	•	•								MEX 900

* Remember to order one unit for each electromagnetic lock!



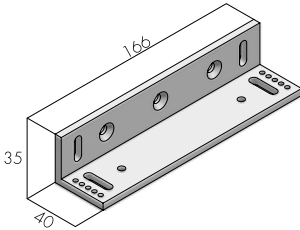
Counterplates for:



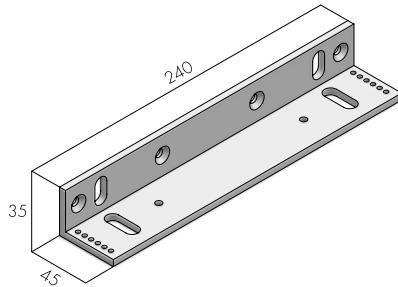
BRACKETS FOR BASIC ELECTROMAGNETIC LOCKS

L For outward opening doors.

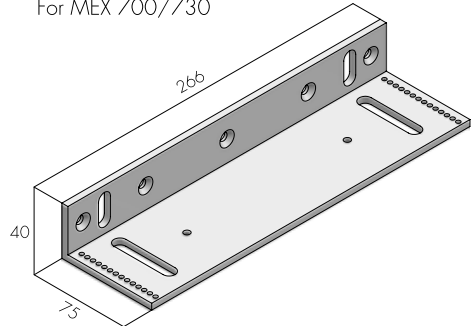
MBEX 180
For MEX 100



MBEX 300
For MEX 400/430/600*/630*

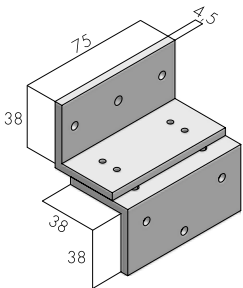


MBEX 600
For MEX 700/730

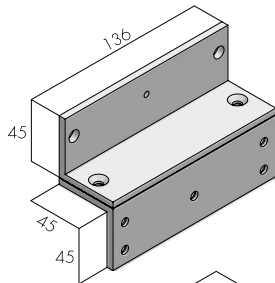


Z For inward opening doors.

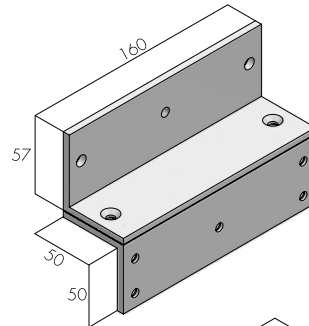
MBAX 70
For MEX 70



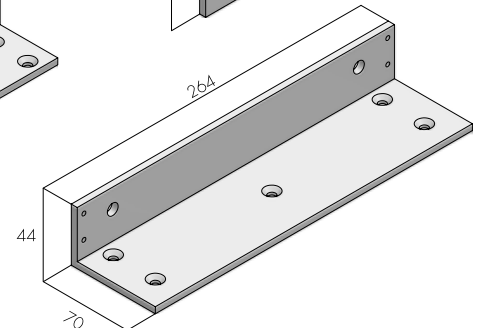
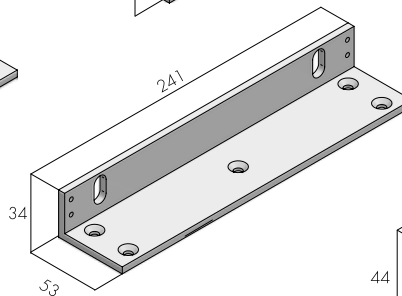
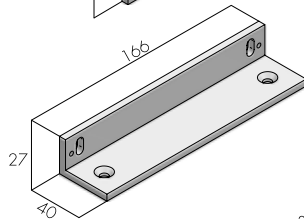
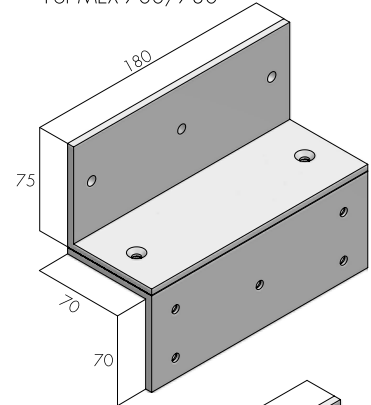
MBAX 180 (3 units)
For MEX 100



MBAX 300 (3 units)
For MEX 400/430/600*/630*

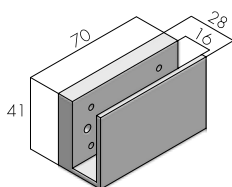


MBAX 600 (3 units)
For MEX 700/730

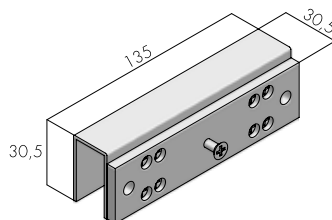


U For glass doors.

MHAX 70
For MEX 70

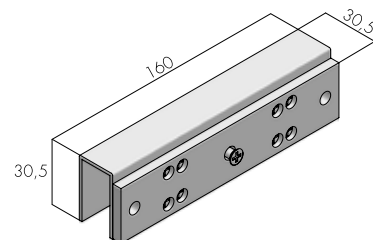


MHAX 180
For MEX 100



Max. glass thickness: 12 mm

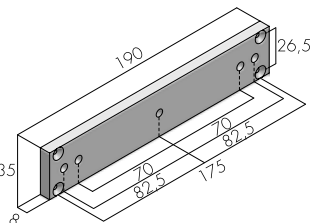
MHAX 300
For MEX 400/430/600*/630*



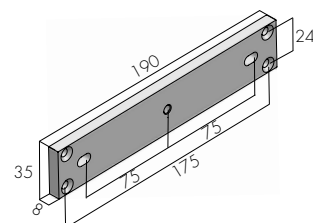
Max. glass thickness: 16 mm

Mounting kit for fire doors

MRF 810
For MEX 400/430/600*/630*

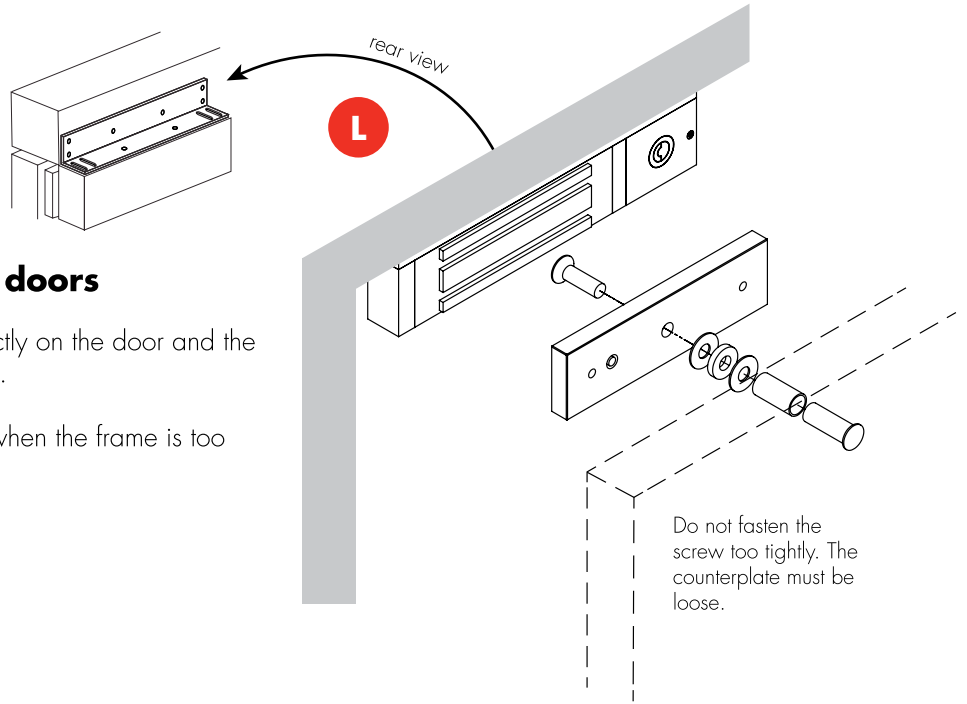


MRF 820
For MEX 700/730



*Remember to order one unit for each electromagnetic lock

MOST COMMON INSTALLATIONS

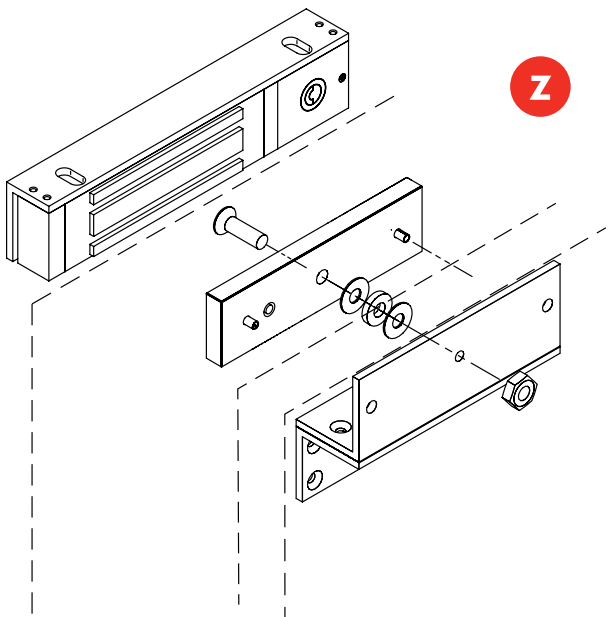


For outward opening doors

The counterplate is installed directly on the door and the magnetic lock beneath the frame.

An "L" bracket may be needed when the frame is too narrow.

Do not fasten the screw too tightly. The counterplate must be loose.



For inward opening doors

The counterplate is installed on a "Z" bracket mounted on the interior door leaf directly to the door.

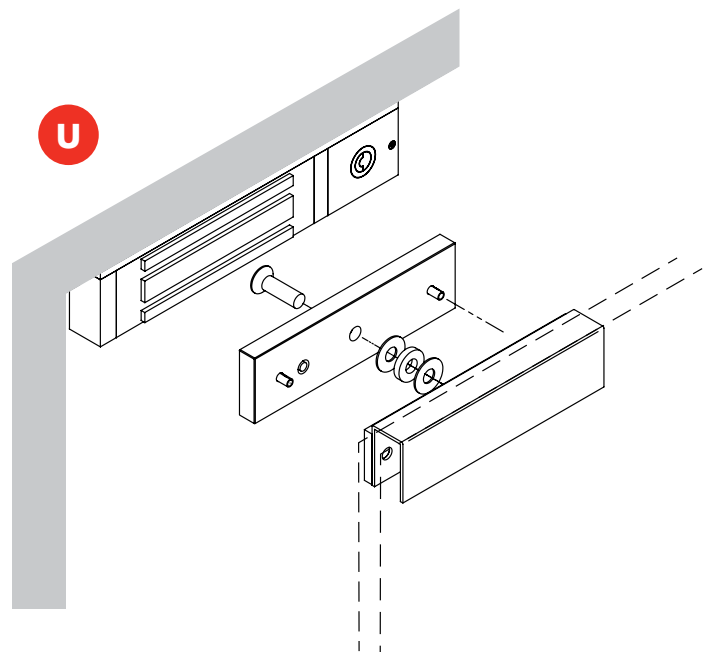
The electromagnetic lock has to be installed on the frame, on the opposite side of the hinges.

For glass doors

The counterplate is installed directly on the door leaf. The electromagnetic lock has to be installed under the frame.

An "L" bracket may be needed when the frame is too narrow.

Please remember that the distance between the glass door and the frame needs to be at least 3 mm.



MINI



Series ME

The mini electromagnetic locks can be integrated into the most sophisticated interior decorations, to satisfy our most creative customers.

Being **the thinnest on the market** (only 30 mm), they can fit most door frames, offering at the same time a high holding force and a very high sensitivity. Any attempt of manipulation will immediately activate the in built monitoring.

In order to certify our quality, O&C tests every mini electromagnetic lock individually and attaches the test results to the packaging.

Also available in waterproof, the ideal solution for exterior doors and gates.

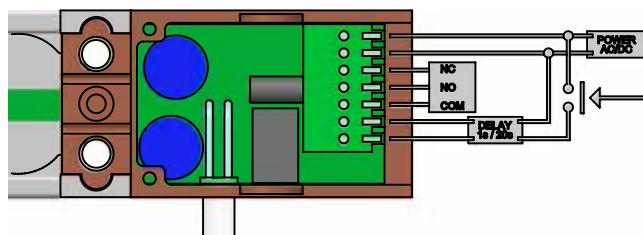
Technical features

- Dual voltage 12/24V dc and 9-24V ac/dc
- Reed monitoring (open/closed)
- Timer model ME 440 from 1 to 20 seconds.
Default timer: 6 seconds
- Low power consumption
- Electronic protection
- Guaranteed 3 years

Certification ME 500/510

- IP65 (protected against dust and water)

Electric Circuit Electromagnetic lock ME 440

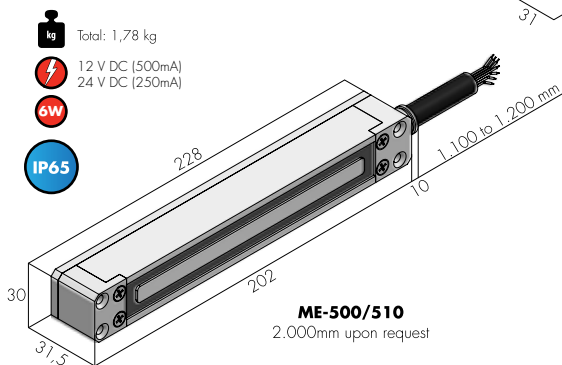
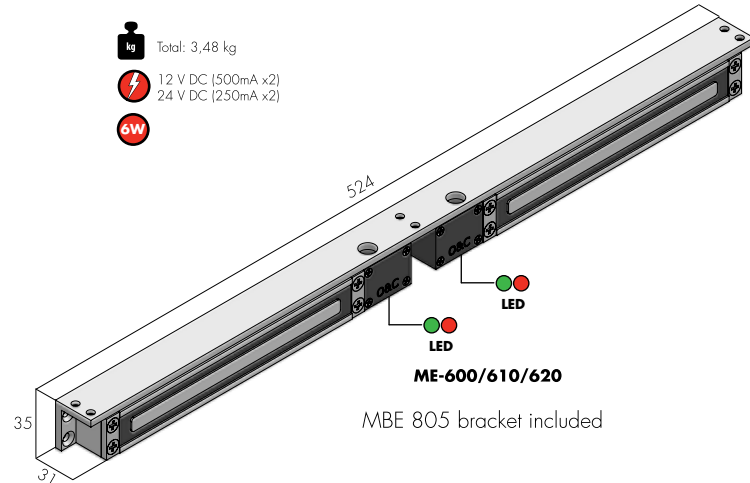
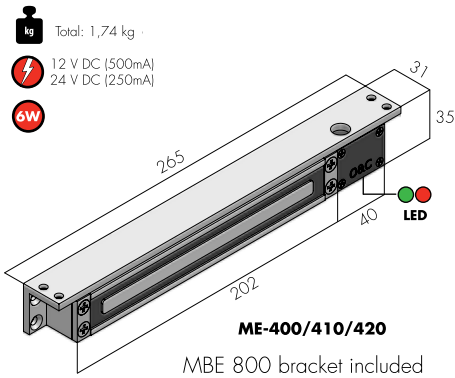
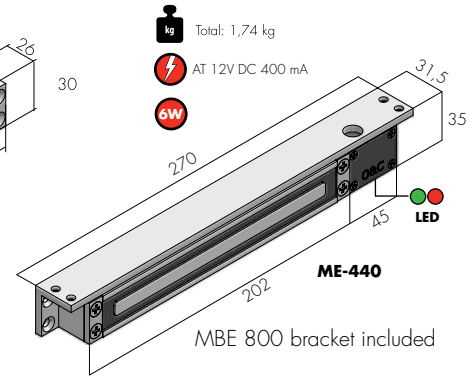
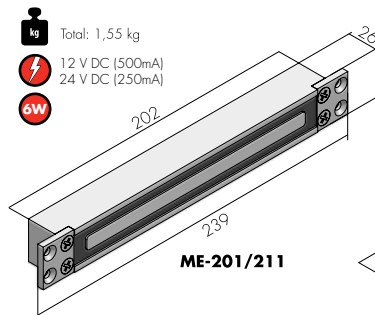
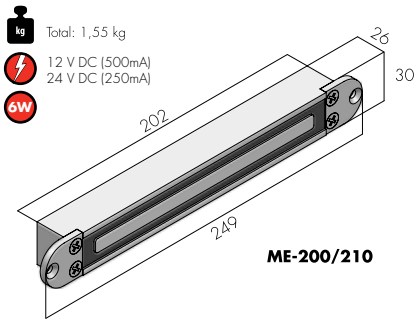


References and features

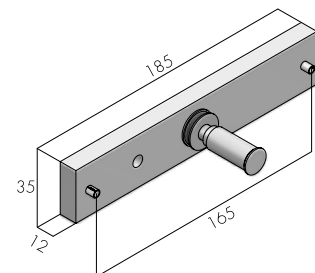
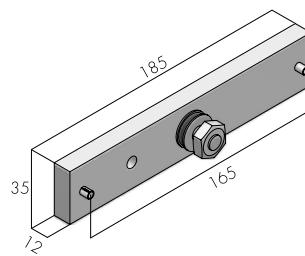
Holding force	12/24 Vdc (manual)	9-24V ac/dc (automatic)	Mortise	Rim	LED	Monitoring	L	Z	U	Bracket cover for (optional):		Mounting kit for RF fire doors	Mounting kit for sliding doors	References
							Outward opening doors	Inward opening doors	Glass doors	FSC 821	FSC 822			
2.800 N	●		●										●	ME 200
2.800 N	●		●										●	ME 201
2.800 N	●		●			●							●	ME 210
2.800 N	●		●			●							●	ME 211
2.800 N	●			●			MBE 806	MBA 801/802	MHA 804	●	●	●		ME 400
2.800 N	●			●		●	MBE 806	MBA 801/802	MHA 804	●	●	●		ME 410
2.800 N	●			●	●	●	MBE 806	MBA 801/802	MHA 804	●	●	●		ME 420
2.800 N	●	●		●	●	●	MBE 806E	MBA 801E/802E	MHA 804E	●	●	●		ME 440
2.500 N	●			●			MBA 806/808	MBA 801/802						ME 500
2.500 N	●			●		●	MBA 806/808	MBA 801/802						ME 510
2.800 N x 2	●			●			MBE 807	MBA 801/802*	MHA 804*	●	●	●		ME 600
2.800 N x 2	●			●		●	MBE 807	MBA 801/802*	MHA 804*	●	●	●		ME 610
2.800 N x 2	●			●	●	●	MBE 807	MBA 801/802*	MHA 804*	●	●	●		ME 620

NEW
IP 65
IP 65

* Remember to order one unit for each electromagnetic lock!



Counterplate mounting kit included



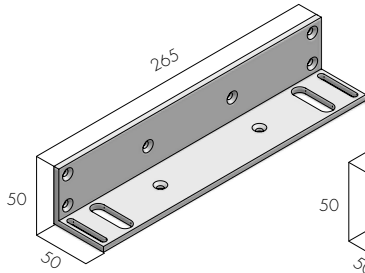
WATERPROOF

Magnetic locks

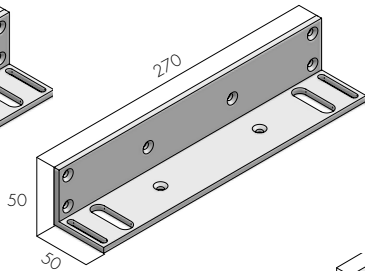
BRACKETS FOR MINI ELECTROMAGNETIC LOCKS

L For outward opening doors.

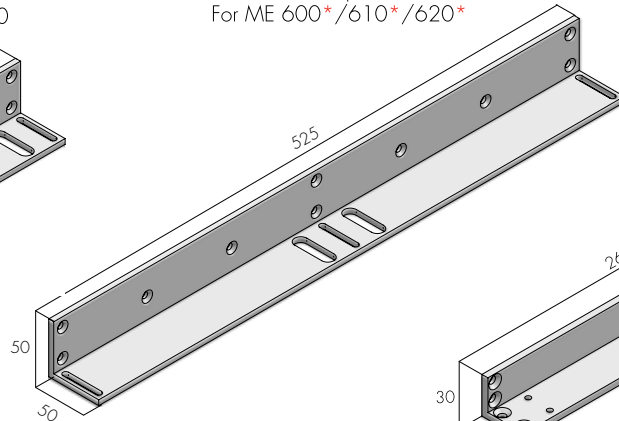
MBE 806 (adjustable)
For ME 400/410/420/500/510



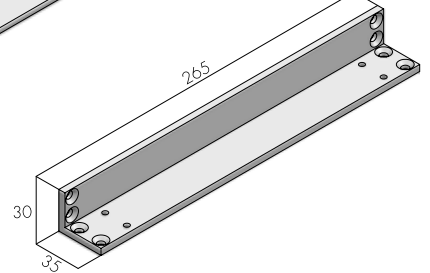
MBE 806E
For ME 440



MBE 807 (adjustable)
For ME 600*/610*/620*

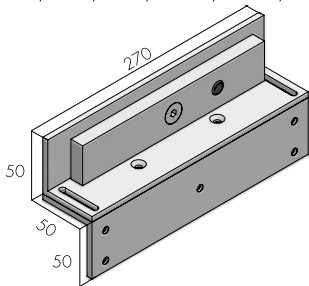


MBE 808
For ME 500/510

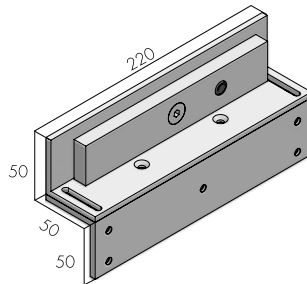


Z For inward opening doors.

MBA 801/802
For ME 400/410/420
/500/510/600*/610*/620*

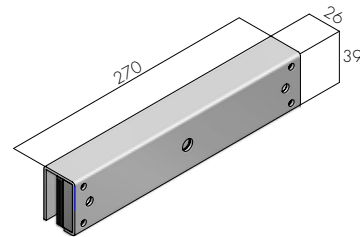


MBA 801E/802E
For ME 440

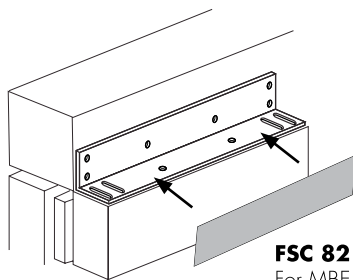


U For glass doors.

MHA 804
For ME 400/410/420/440/600*/610*/620*

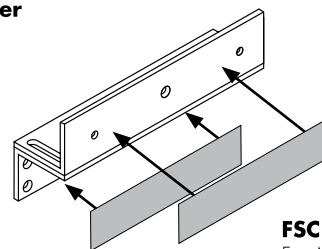


Glass thickness: 8 to 14 mm



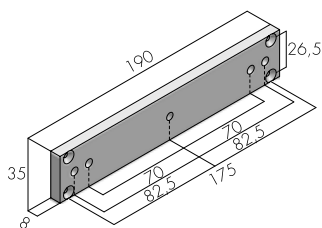
FSC 821
For MBE 806/807

Bracket cover



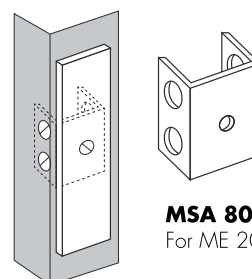
FSC 822
For MBA 801/802

Mounting kit for fire door



MRF 810
For ME 400/410/420/600*/610*/620*

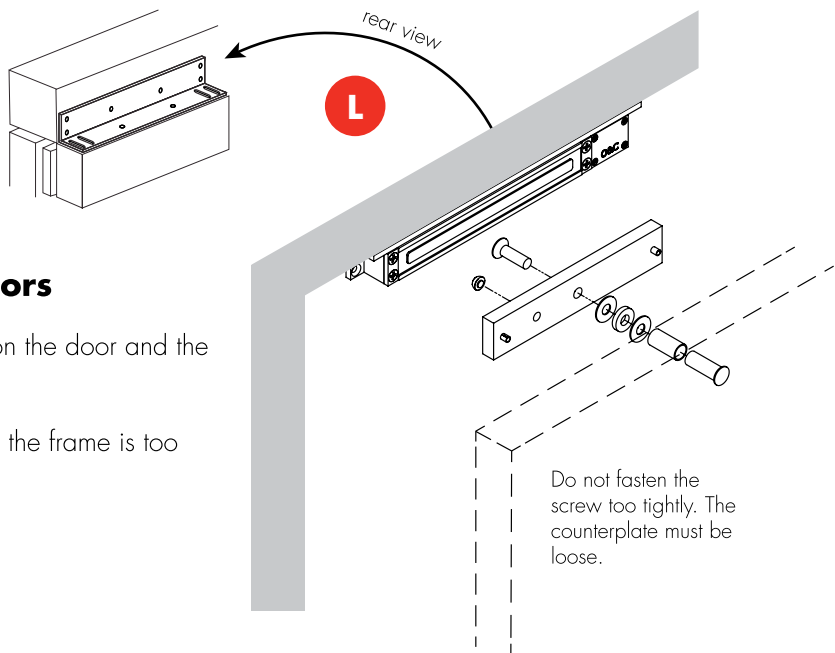
Mounting kit for sliding doors



MSA 803
For ME 200/201/210/211

* Remember to order one unit for each electromagnetic lock!

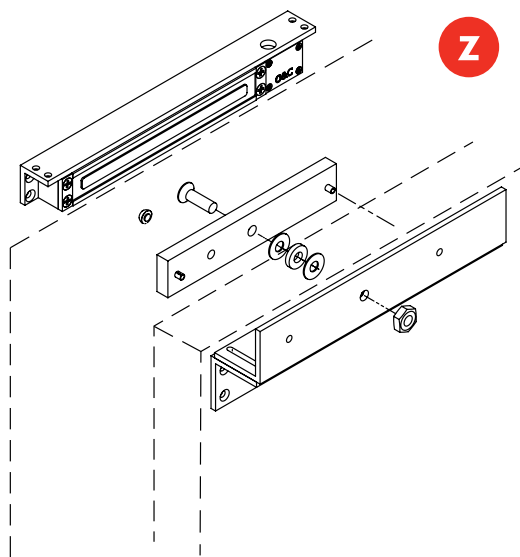
MOST COMMON INSTALLATIONS



For outward opening doors

The counterplate is installed directly on the door and the magnetic lock beneath the frame.

An "L" bracket may be needed when the frame is too narrow.



For inward opening doors

The counterplate is installed on a "Z" bracket mounted on the interior door leaf directly to the door.

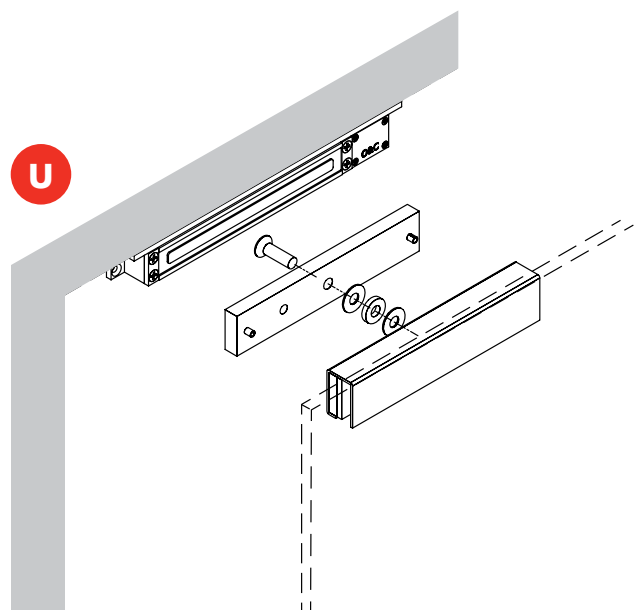
The electromagnetic lock has to be installed on the frame, on the opposite side of the hinges.

For glass doors

The counterplate is installed directly on the door leaf. The electromagnetic lock has to be installed under the frame.

An "L" bracket may be needed when the frame is too narrow.

Please remember that the distance between the glass door and the frame needs to be at least 3 mm.



DOOR HOLDER



Series DH

Designed to be used on self-closing swinging doors to automatically isolate an area when activated by fire alarm, smoke detection or sprinkler systems.

Typical installations are: **hospitals, schools, nursing homes, public buildings** (closes all exit doors at once by push button control) and offices (instant privacy by pushing a button on your desk).

Magnetic door holders can also be operated by manual release, wherever the instant closing of doors is needed for safety or convenience.

Wall or floor supports available.

Technical features

- 600 N holding force
- Jumper for voltage switch (on DHB)
- Ejector pin to overcome residual magnetism
- Manual release button
- Low power consumption
- Guaranteed 3 years

Certifications

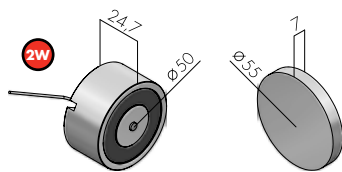
- Complies with UNE-EN 1155:2003

3	5	4	1	1	3
---	---	---	---	---	---

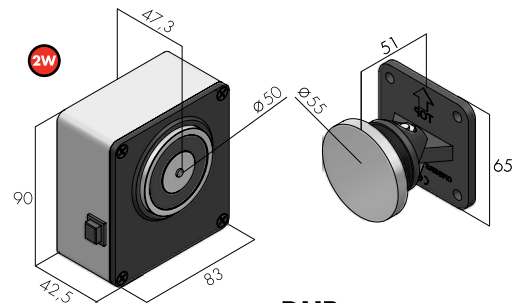
References and features

Voltage 24 Vdc	Manual Dual voltage 12/24 Vdc	HOLDING FORCE	Timer 3 sec.	Manual release button	Block	References
•		600 N			50 mm	DHI - Industrial door holder
•		600 N			50 mm	DHS - Basic door holder
	•	600 N		•	50 mm	DHB - Dual voltage door holder
•		600 N	•	•	50 mm	DHT - Door holder with timer
•		300 N/600 N		•	50 mm	DHD - Door holder with power-regulation
						DFS 160 - Door holder fix support
						DFS 300 - Door holder fix support
						PDH - Manual Release Button
						ADH - Counterplate for DHB / DHT / DHD
						AHI - Counterplate for DHI
						AHS - Counterplate for DHS

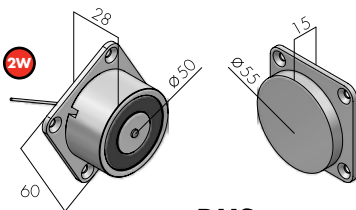
Accessories & Spares



DHI
24 V DC (85mA)



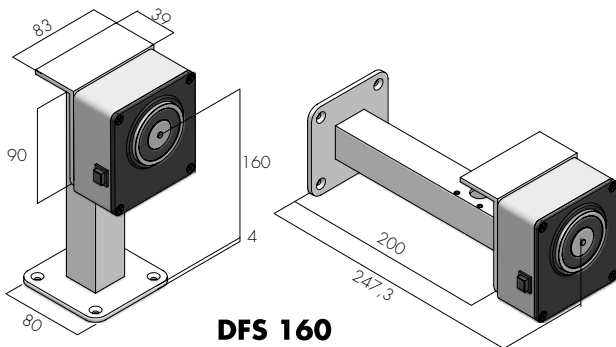
DHB
12 V DC (170mA)
24 V DC (85mA)



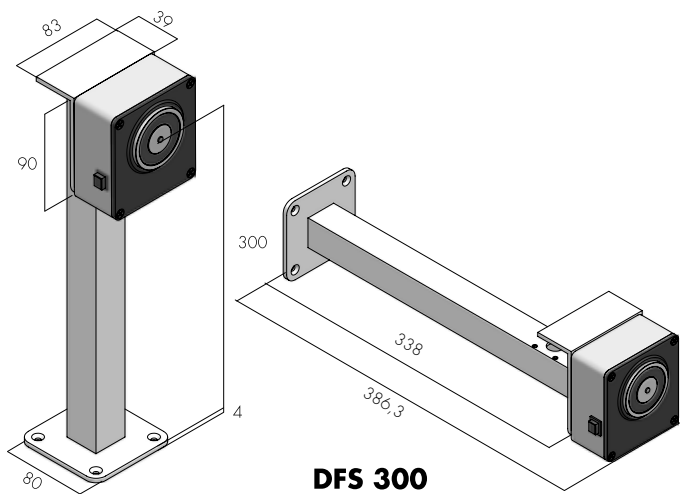
DHS
24 V DC (85mA)

DHT
24 V DC (85mA)

DHD
24 V DC (85mA)



DFS 160
WALL/FLOOR DOOR HOLDER



DFS 300
WALL/FLOOR DOOR HOLDER

SHEARLOCK



Series SH

Shearlocks are the ideal solution for **glass, swing and sliding doors**. They combine magnetic and mechanical force generating a massive holding force. Shearlocks can be timed and connected to fire detectors, alarms, access control systems, emergency exit buttons, etc. If a locking defect happens after 5 attempts, the shearlock emits a warning sound until the system is reset.

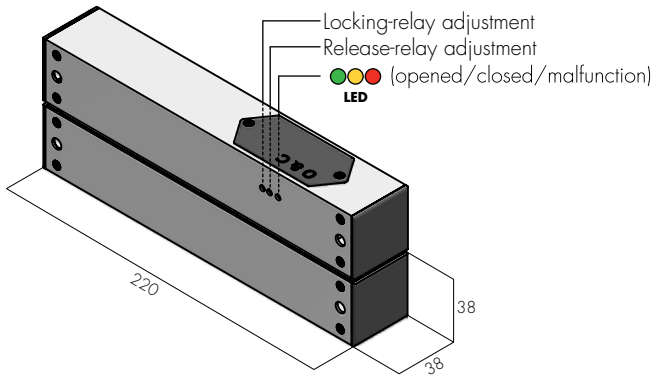
Example of use:

A thief tries to escape through an emergency door where a panic bar and a shearlock are installed. When the thief pushes the panic bar, the door will still be locked by the shearlock for the programmed time, and a warning signal will be sent to the store's control center. If the system is equipped with an acoustic alarm, it will be ringing for the time the shearlock is programmed to, forcing the thief to drop the goods.

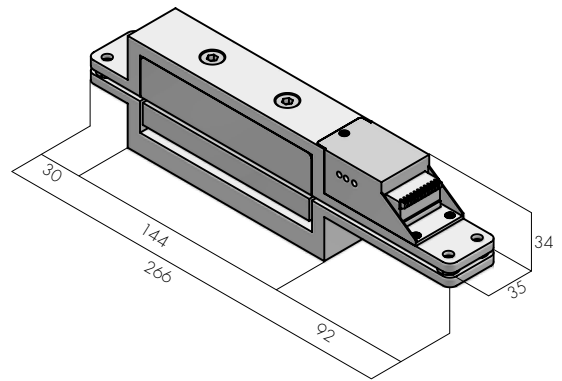
Technical features

- 15.000 N holding force
- Electronic protection
- Timer: adjustable from 0 to 25 seconds for both locking (T1) and unlocking (T2)
- Maximum distance between parts: 3 mm
Minimum distance between glasses: 6,5 mm
- 3 colours LED indicator (opened/closed/malfunction)
- Power from 10 to 36V DC (automatic switch)
- Operating temperature: from -14 to +40 °C
- Consumption at 12V DC: 2A (start up) then 0,5A (operating)
- Auxiliary relay: max. 1A at 24V DC
- Guaranteed 3 years

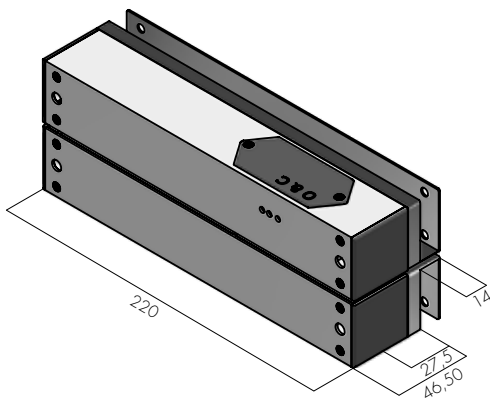
References and features



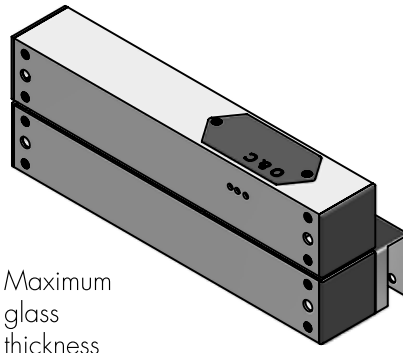
SHEARLOCK SH 100
(rim installation)



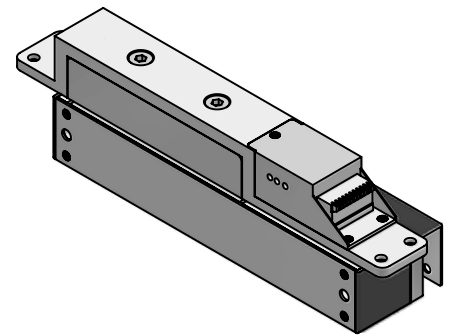
SHEARLOCK SH 200
(mortise installation)



SHEARLOCK SH 300
(glass/glass installation)

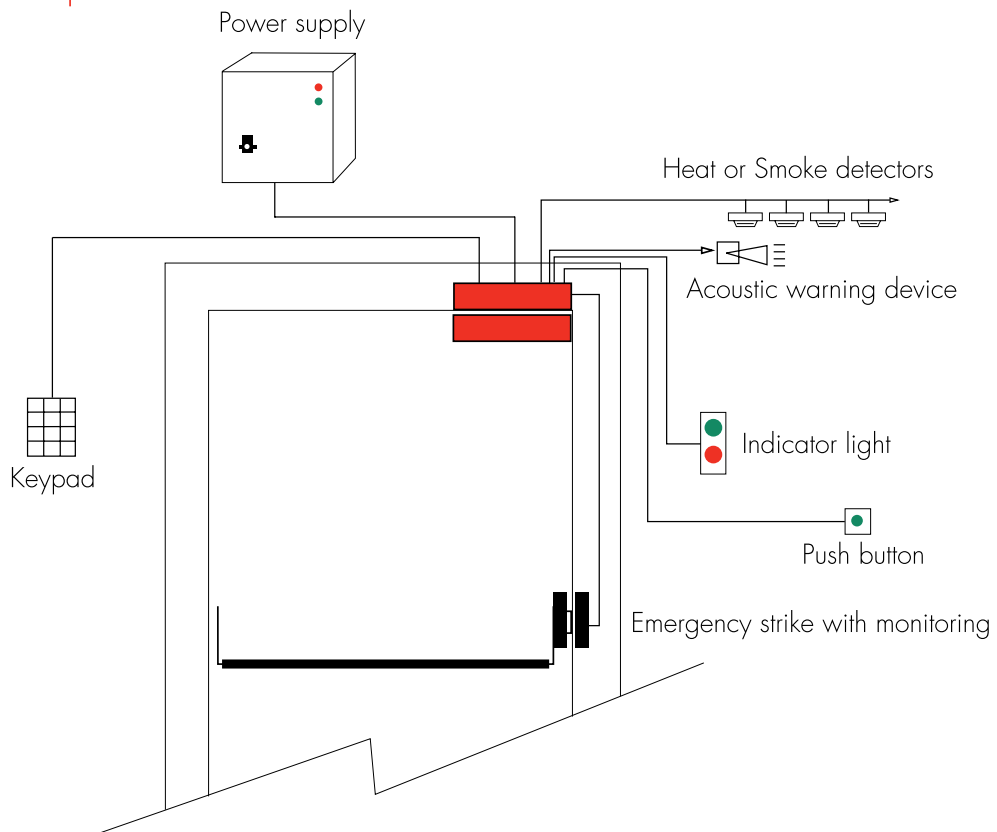


SHEARLOCK SH 400
(rim/glass installation)



SHEARLOCK SH 500
(mortise/glass installation)

Installation example



ELECTRIC LOCKS

A lock is a mechanical or electronic fastening device that is released by a physical object (such as a key, keycard, fingerprint, RFID card, or security token) or secret information (such as a keycode or password), or combination of both.

An electric lock is a locking device which operates by means of electric current. Electric locks are usually connected to an access control system. The advantages of an electric lock connected to an access control system include: key control, where keys can be added and removed without re-keying the lock cylinder; fine access control, where time and place are factors; and transaction logging, where activity is recorded.



MINI ELECTRIC BOLT

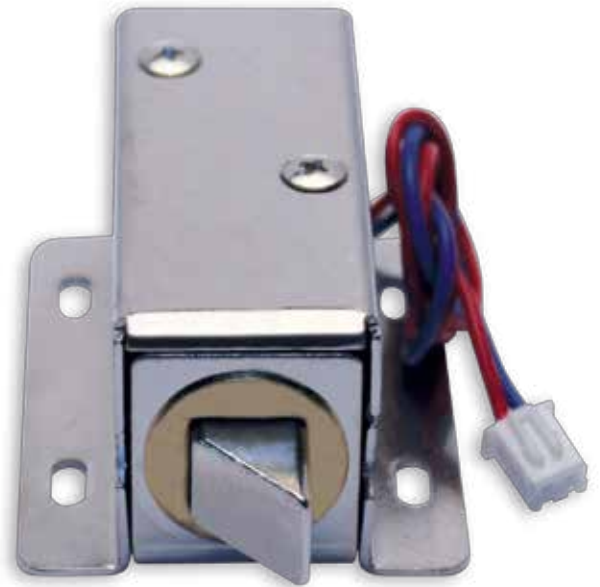
Series PGX

This small fail-secure lock has been especially designed for applications such as **lockers, closets, showcases, drawers and cabinets.**

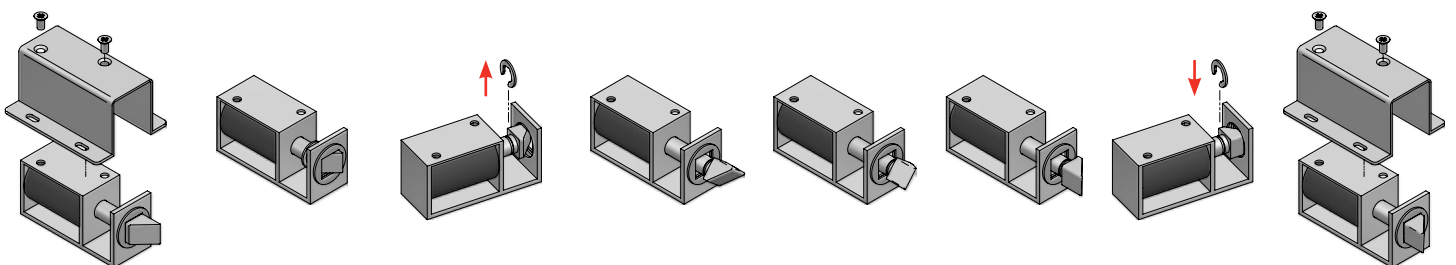
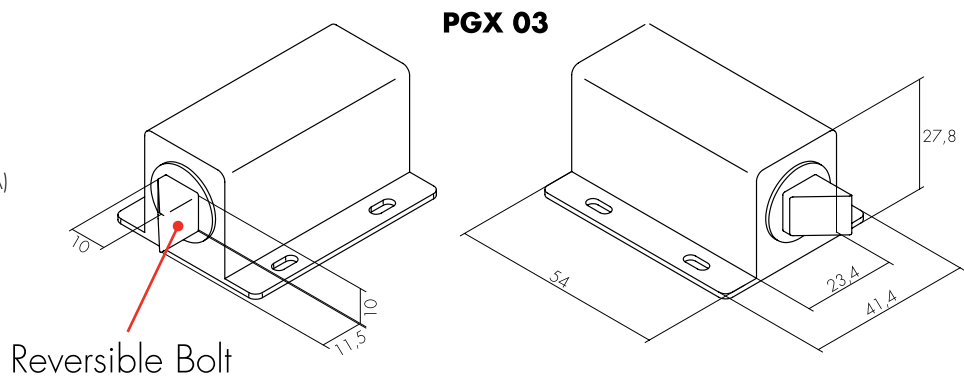
It can be installed either rim or mortise and its latch is 360° reversible.

Operating temperature from -20 °C to +40 °C.

Guaranteed 3 years.



- 0,130 kg
- 12 V DC (650mA)
- 7,8W



RIMTOPLOCK



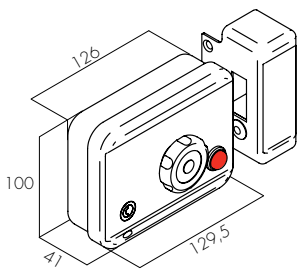
 12-24V DC
NEW

Series CE

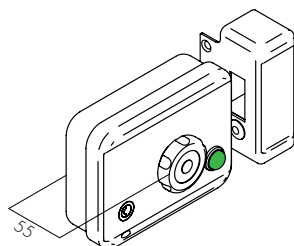
Rimtoplocks are **reversible rim-mounted electric locks with a motorized bolt**. When the magnetic sensor confirms the door is aligned with the frame, the 25mm bolt will automatically lock the door. After the scheduled releasing time, the Rimtoplock will lock the door back. The distance between the lock and the counterplate should be 5mm. An acoustic warning will beep if the door is not properly closed.

Access from the outside will be granted through access control or keys (3 keys included), while from the inside one can choose among knob, switch, push button and keys. It is usually installed on interior wooden or aluminum doors, but a protecting visor is available for outdoor installations.

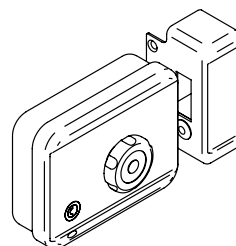
	Voltage 12-24V DC	Timer 2 to 8s	Magnetic sensor	Acoustic alarm	Consumption 500mA	Keys	Push button	Switch button	Knob	References
RIMTOPLOCK	•	•	•	•	•		•		•	CE 104
	•	•	•	•	•			•	•	CE 105
	•	•	•	•	•				•	CE 106
	•	•	•	•	•	•				CE 109
									Protecting visor	VCX 100



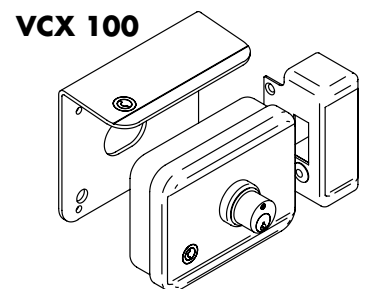
CE - 104
WITH PUSH-BUTTON
(temporary unlocking)



CE - 105
WITH SWITCH-BUTTON
(permanent unlocking)



CE - 106
WITH KNOB



VCX 100
WITH KEYS

ELECTRIC GATE LOCK

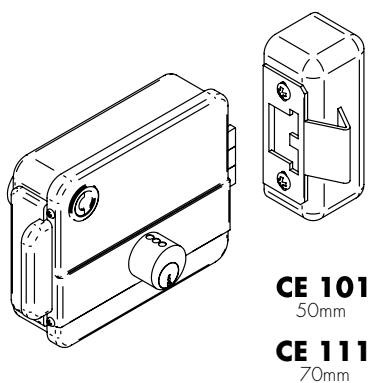
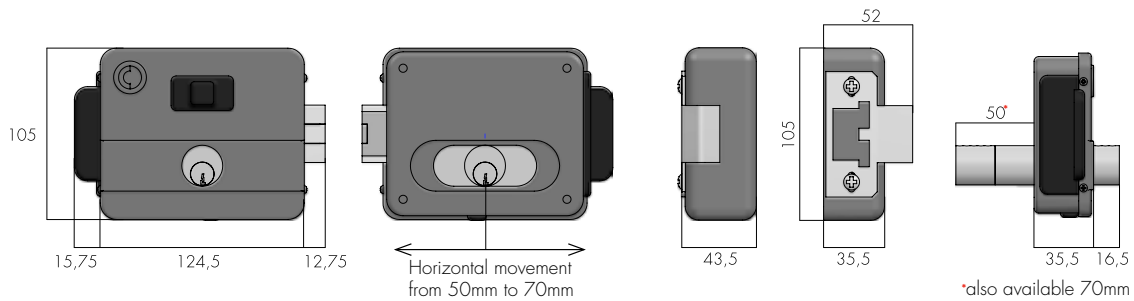
Series CE

Totally **reversible rim electric locks** for wooden or aluminium doors and gates. The entry from the outside will be granted through an access control system or a standard key (3 keys included). The entry from the inside will be through a push button, key or both. This lock is supplied with a 60mm backset which can be easily changed to 50 or 70mm.

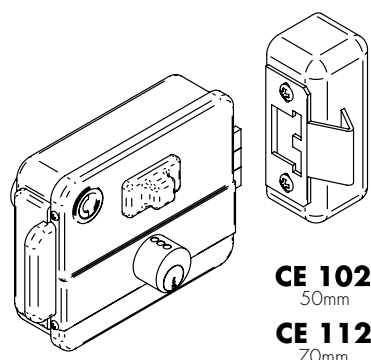
- Grey painted steel.
- 100% reversible.
- Self-locking security bolt.
- 8mm adjustable striker plate (vertically).
- Also available with 70mm long cylinder.



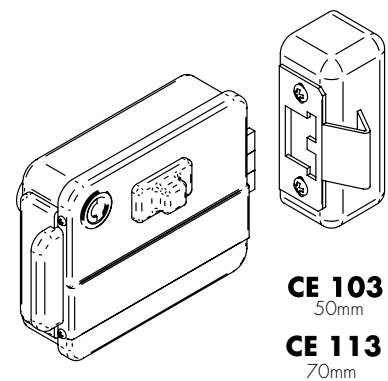
 12V AC (1,5A)



WITH KEY



**WITH KEY AND
PUSH BUTTON**



**WITH PUSH
BUTTON**

BASIC ELECTRIC BOLT

Series OC

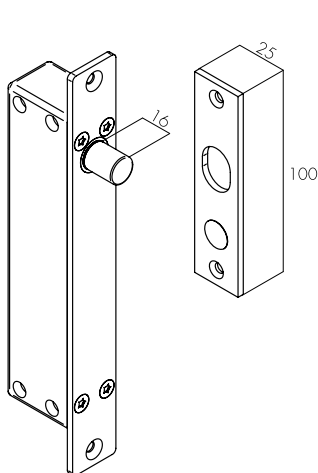
This **compact easy-to-install lock** (only 24 mm thick) secures the door through a 16 mm steel bolt which is activated by a solenoid.

It operates on 12V DC and uses 300mA during start-up and 120mA in stand-by. The gap between the lock body and the plate should be less than 8 mm.

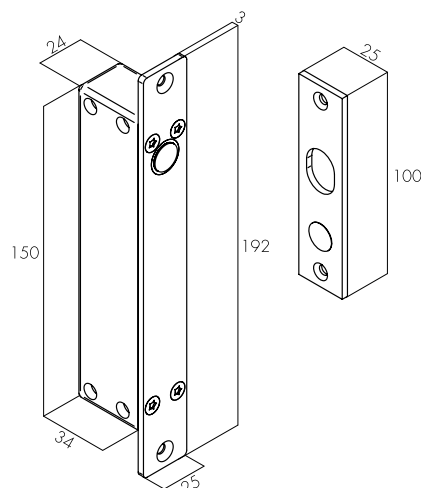
A LED indicator will show the status of lock (opened/closed). The auto-lock function can be set after 0 to 9 seconds through the inbuilt timer.



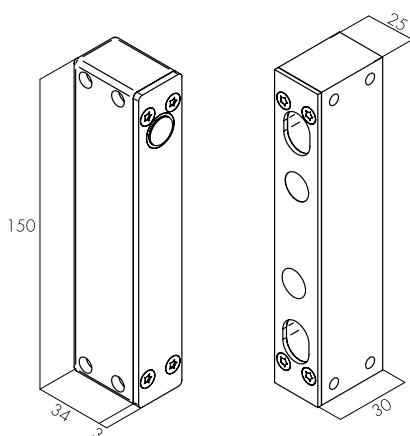
	fail-secure	fail-safe	Mortise	Rim	Glass	Timer	Round bolt	References
BASIC ELECTRIC BOLT	•		•			•	•	OC 860
		•	•			•	•	OC 870
		•		•		•	•	OC 880
		•			•	•	•	OC 890



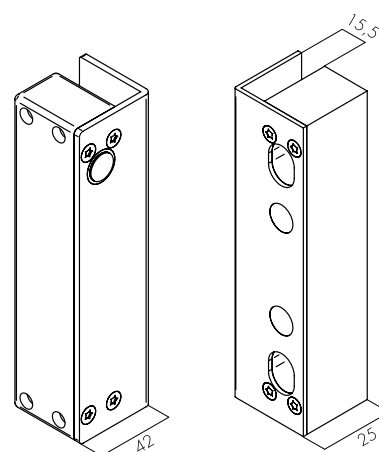
**OC 860
Mortise**



**OC 870
Mortise**



**OC 880
Rim**



**OC 890
For glass doors**
Maximum glass thickness: 15,5 mm

ACCESSORIES

Along with locks and strikes, other pieces of equipment are necessary to complete an access control system.

OPENERS & CLOSERS carries a complete line of access control accessories, including indicator lights, contacts, door loops, keypads, push-buttons and more.



INDICATOR LIGHTS



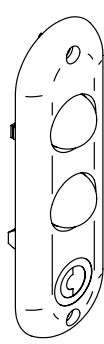
Series TL

OPENERS & CLOSERS' indicator lights combine design, robustness and functionality, making them ideal for all **hearing- or visually-impaired-friendly installations.**

The internal jumper allows the audible warning and the LEDs to operate intermittently. They operate on 10 to 24V AC/DC and their connection is not polarized. They can be either mortised or rim mounted, by simply adding the included plastic box.

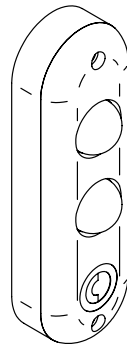
Guaranteed 3 years.

2 Bulbs	Push button	Acoustic warning	mortise installation	rim installation	References
Red and Green			•	•	TLX 001
Red and Green	•		•	•	TLP 002
Red and Green		•	•	•	TLB 001
Red and Green	•	•	•	•	TLB 002



mortise

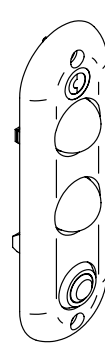
TLX 001



rim

TLP 002

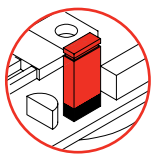
with push button (NO)



mortise

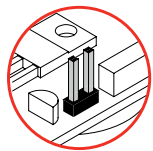


rim



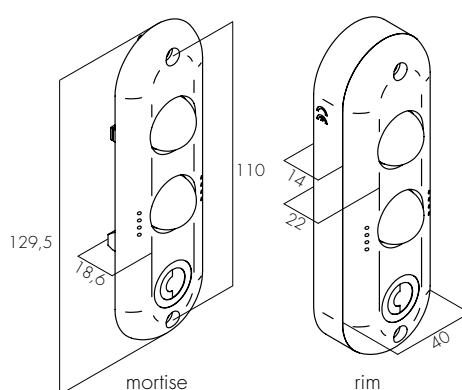
with jumper

The audible warning device and the LED light remains in steady mode.



without jumper

The audible warning device and the LED light remains in flashing mode.



mortise

rim

mortise

rim

TLB 001

with acoustic warning

TLB 002

with push button (NO) and acoustic warning

ELECTRIC CONTACTS

Series DDC

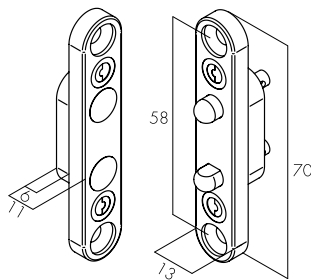
Our high-quality door contacts are designed to provide **hidden electric connection between the lock and the power supply** (basically from the door to the door frame). They need to be mortise mounted where the hinges are.

The DDC 002 contact is suggested for simple installations where the connection is intermittent. Its two brass poles are nickel-plated and the plastic parts can be either black or white.

The DDC 004 contact is ideal for permanent connection and on sliding doors. Its four brass poles are silver-plated and the plastic parts are white.

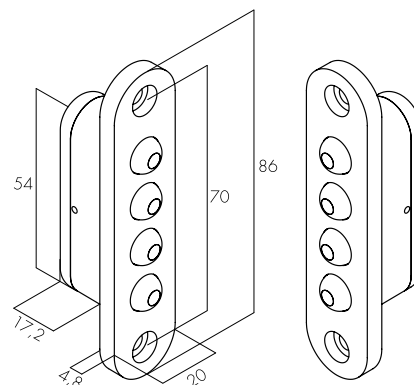


Electrical features and dimensions



DDC 002

- ⚡ Max. switching voltage 24V AC/DC
 - ⚡ Max. switching current 1,5 A
- (available in black and white)



DDC 004

- ⚡ Max. switching voltage 24V AC/DC
- ⚡ Max. switching current 0,5 A

KEYPAD

Series AC

12 button matrix-encoded keypad for **access control of one or two doors**.

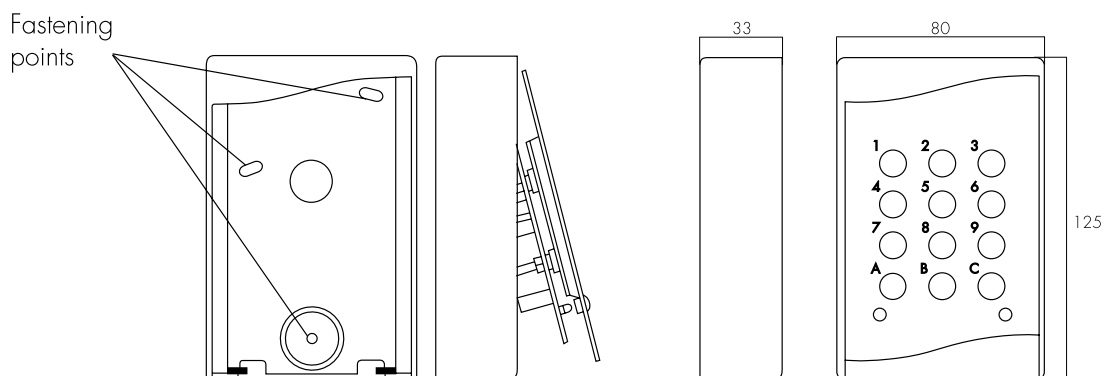
OPENERS & CLOSERS Keypad allows to open two doors from only one terminal, and select two opening functions:

- Activates the lock for a preset time.
- Activates the lock until re-entering the code.

Very easy to install with high level of security. During blackouts all the data remain stored.

Technical features

- Anti-vandal.
- Stainless steel buttons
- Housing: grey painted steel
- Timer: 1 to 99 seconds
- Relay: 12V AC - 2A max
- Up to 12 different codes
- Consumption: 0,1A (start-up) 0,02 (stand-by)
- Guaranteed 3 years
- IP45 Certified



AC 100

 Voltage 12V AC/DC

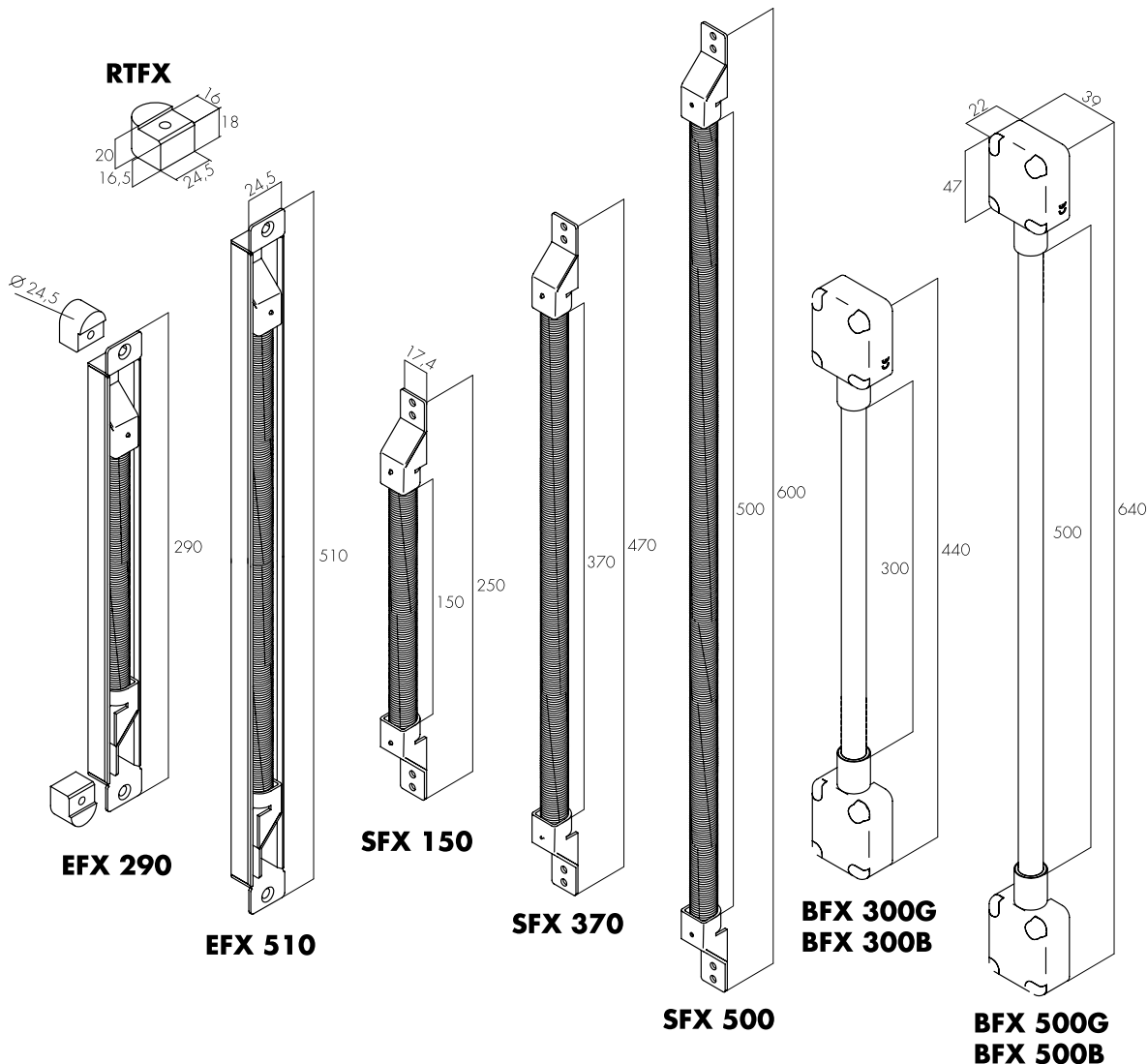
DOOR LOOPS

Series FX

Door loops are required when installing an electric lock on the door. They secure the **connection of power from the wall to the door** (on the hinges side).

Our door loops offer a high quality steel finish and are available in several lengths and mountings.

	External diameter	Internal diameter	Finish color	Flex tube length	Total length	References
Mortise	14,5 mm	10,5 mm	Nickel	150 mm	290 mm	EFX 290
	14,5 mm	10,5 mm	Nickel	370 mm	510 mm	EFX 510
	14,5 mm	10,5 mm	Nickel	150 mm	250 mm	SFX 150
	14,5 mm	10,5 mm	Nickel	370 mm	470 mm	SFX 370
	14,5 mm	10,5 mm	Nickel	500 mm	600 mm	SFX 500
Rim	14,5 mm	10 mm	Grey box Steel flex tube	300 mm	440 mm	BFX 300G
	14,5 mm	10 mm	Grey box Steel flex tube	500 mm	640 mm	BFX 500G
	14,5 mm	10 mm	Brass box Steel flex tube	300 mm	440 mm	BFX 300B
	14,5 mm	10 mm	Brass box Steel flex tube	500 mm	640 mm	BFX 500B
Round terminals for EFX 290/510						RTFX



EXIT BUTTONS

Series OC

Our quality stainless steel buttons, mounted next to the door inside the building, **quickly and safely allow door exit** by activating / deactivating the electric locking device.

A LED light around the push button can be useful as guidance in dark environments, while an infrared sensor represents a more hygienic and modern option.



OC 804

Push-Button with LED guidance

Technical features

- Dimensions: 88,6L x 88,6H x 20W (mm)
- Output contact: NO/NC/COM
- Current rating: 3A at 36V DC Max
- Operating temperature: -10 °C / +55 °C
- Suitable Humidity: 0 - 95% (relative humidity)
- Blue LED indicator



OC 806

Infrared Sensor Button

Technical features

- Dimensions: 88,6L x 88,6H x 27W (mm)
- Output contact: NO/NC/COM
- Contact rating: 3A at 28V DC Max
- Operating temperature: -20 °C / +55 °C
- Suitable Humidity: 0 - 95% (relative humidity)
- Detection range: 0,1 - 10 cm
- LED indicator:
 - White: Power off
 - Blue: Power on (standby)
 - Red: Power on (sensation)

POWER SUPPLIES

Series PS

An AC powered unregulated power supply usually uses a transformer to **convert the voltage from the wall outlet** (usually 220V AC) to a lower (usually 12 or 24V AC) voltage.

If it is used to produce DC, a rectifier is used to convert alternating voltage to a pulsating direct voltage (12 or 24V DC).

Our high-efficiency power boxes feature 4 terminals with monitoring leds, a battery charger and a battery backup.

Technical features

- 3% stability
- Protection IP20
- Operating temperature: 0 °C / +40 °C
- Over-heating and short-circuit protection
- Double function: power supply and batteries charging "on line" system, with complete discharge protection.



PS 903

	Input voltage 230 V 50/60Hz	Output voltage	Output current	Power	Battery charge	Battery	Capacity	References
DC current	●	12 V dc	6 A dc	80 W	●			PS 901*
	●	24 V dc	3 A dc	80 W	●			PS 902*
	●	12 V dc	6 A dc	80 W	●	12 V dc	7 Ah	PS 905**
	●	24 V dc	3 A dc	80 W	●	24 V dc	4 Ah	PS 906**
	●	12 V dc	3,33 A dc	40 W				PS 907* NEW
AC current	●	24 V dc	1,7 A dc	40 W				PS 908* NEW
	●	12 V ac	1,5 A ac	18 VA				PS 903*

* Finish DIN rail 35 x 7,5 (DIN 500 22)

** 4 terminals for 2 magnetic locks each, with monitoring leds.



PS 901 / PS 902



PS 907 / PS 908



PS 905 / PS 906

MAGNETIC CONTACTS

Series CM

	Material	Minimum gap	4 wires	Reed dimensions	Magnet dimensions	Standards Compliance	References
MAGNETIC CONTACTS	Brass	12 mm	●	29,5 x 7,5o mm	27,5 x 7,5o mm	Grade 2 EN50131-2-6	CMI 002
	ABS	12 mm	●	29 x 7,5o mm	29x 7,5o mm	Grade 2 EN50131-2-6	CMI 016
	Brass	20 mm (non iron) 10 mm (iron)	●	18 x 20o mm	18x 20o mm	Grade 2 EN50131-2-6	CMI 130
	ABS	20 mm (non iron) 10 mm (iron)	●	29 x 20o mm	29 x 20o mm	Grade 2 EN50131-2-6	CMI 122
	Plastic	25 - 40 mm	●	56 x 16 x 5 mm	56 x 16 x 5 mm	Grade 2 EN50131-2-6	CME 045
	Polycarbonate	30 mm	●	120 x 40 x 12 mm	77 x 30 x 29 mm	Grade 2 EN50131-2-6	CMB 003
			Reed Features				
				Maximum voltage	200V DC		
				Maximum current	500 mA		
				Maximum power	10VA		
				Initial contact resistance	R=0,1 Ω		
				Insulation resistance	R=10 ¹² Ω		
				Operating temperature	-40 °C / +125 °C		
				MTBF Number of operations	10 ⁸		



CMI 002

Brass magnetic contact designed to guarantee maximum efficiency and duration, particularly suitable for **mortise** mounting on wood and non iron surfaces. Available with 4 output wires, 2 for N.C. contact and 2 for tamper.



CMI 122

Magnetic contact for **mortise** mounting on iron doors. White, resistant ABS housing guarantees duration and reliability. Available with 4 output wires (2 for contact and 2 for tamper), with changeover reed or brown colour.



CMI 016

Magnetic contact for **mortise** mounting, not suitable for iron frames but ideal for installation on aluminium and wood. Also available with output wires, with changeover reed and brown colour.



CME 045

Magnetic contact for **rim** installation on non iron frames and iron frames. Only 5mm thick. A highly sensitive contact guaranteeing a minimum gap of up to 40mm.



CMI 130

This low profile magnetic contact is for **mortise** mounting even on large heavy iron frames. Its finely knurled head can be installed in a 20mm hole maximising the magnetic quality of the contact.



CMB 003

Magnetic contact with highly-resistant black polycarbonate housing for **rim** mounting, suitable for installation on iron frames, garage doors and roller shutters. Contact housing only 12mm thick, with armoured cable.



OPENERS & CLOSERS®
Secure locking solutions

INNOVATION, QUALITY & SERVICE



OPENERS & CLOSERS®
Secure locking solutions

C/ Cortit, 10
08027, Barcelona
Phone: +34 93 408 05 15
Fax: +34 93 408 40 38
export@openers-closers.com

www.openers-closers.com