OPENERS & CLOSERS

GENERAL CATALOGUE

OPENERS & CLOSERS®
BARCELONA

INNOVATION, QUALITY & SERVICE

CONTENTS

PAST
PRESENT
FUTURE

OPENERS & CLOSERS was founded in Barcelona in 1989, with the aim of manufacturing superior door locks and providing an efficient customer service.

After more than 20 years of experience, O&C is one of the leading European manufacturers of electric strikes and electromagnetic locks, exporting approximately 90% of its production in over 40 different countries around the world.

Such achievement is the result of the company's policy of constantly improving product quality while maintaining an affordable price, in combination with the staff engagement to educate, update and advise clients on a regular basis.

O&C currently owns over 30 patents for technical and production innovations, entirely designed and manufactured in Spain. Our products have been tested by APPLUS+ Norcontrol and LGAI Technological Center.

Our commitment to the environment is witnessed by the employ of quality recyclable materials, ensuring lower energy consumption and longer product life. As a matter of fact, all our products are guaranteed for 3 years.

OPENERS & CLOSERS: INNOVATION, QUALITY & SERVICE.

CE

OPENERS & CLOSERS OK RoHS

ELECTRIC STRIKES
vocabulary

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.

*Personalized electric strikes are available upon request.

Faceplate

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

*Personalized faceplates are available upon request.

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.

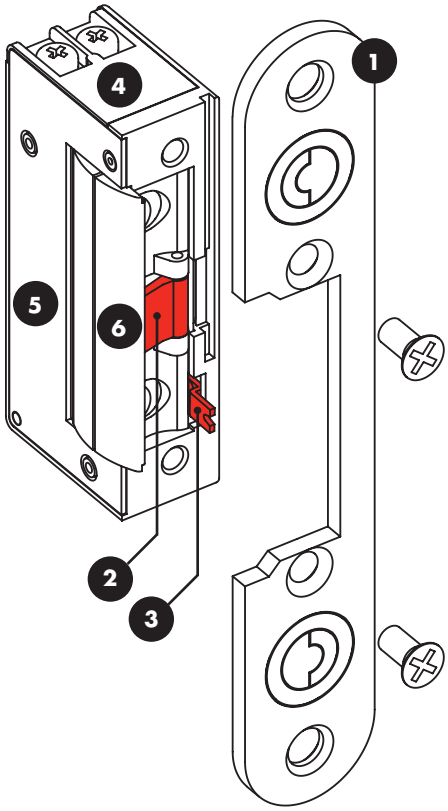
*Personalized keepers are available upon request.

Electronic protection

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

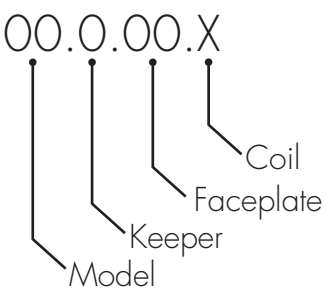
Side-Load

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

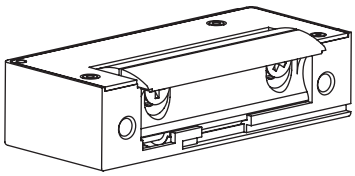


1. faceplate
2. hold-open pin
3. mechanical unlocking
4. Terminal block
5. cover
6. keeper

Reference Example

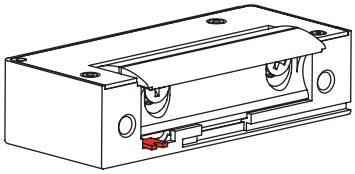


FUNCTIONS



Fail-secure

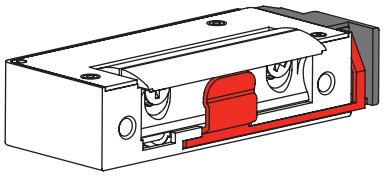
The electric strike is locked when unenergized.



Fail-secure with mechanical unlocking

The electric strike is locked when unenergized.

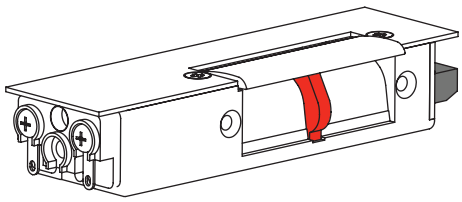
It features a mechanical lever for manual release.



Fail-secure with monitoring

The electric strike is locked when unenergized.

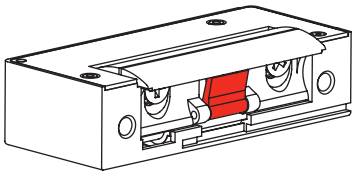
It features a microswitch that detects the status of the door. (opened/closed)



Fail-secure with double monitoring

The electric strike is locked when unenergized.

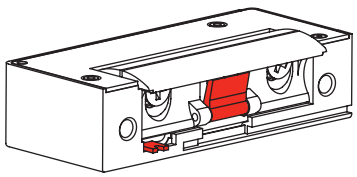
It features 2 microswitches that detect the status of both the door (opened/closed) and the keeper (locked/unlocked).



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

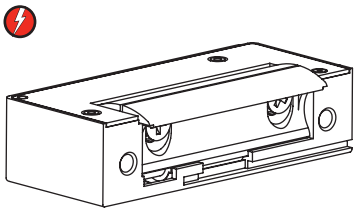
The pin on the keeper allows unlocking the strike through a single electric impulse.

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

It features a mechanical lever for manual release.

Fail-safe

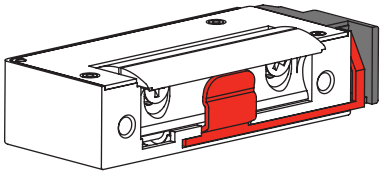
The electric strike is locked when energized.



Fail-safe with monitoring

The electric strike is locked when energized.

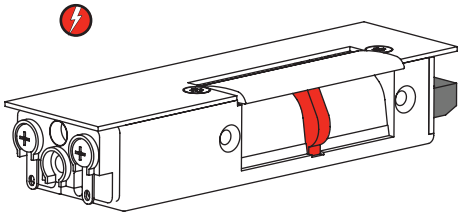
It features a microswitch that detects the status of the door. (opened/closed)



Fail-safe with double monitoring

The electric strike is locked when energized.

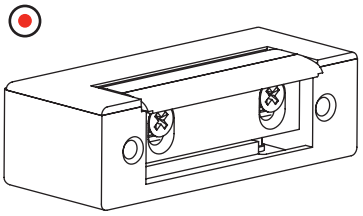
It features 2 microswitches that detect the status of both the door (opened/closed) and the keeper (locked/unlocked).



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.

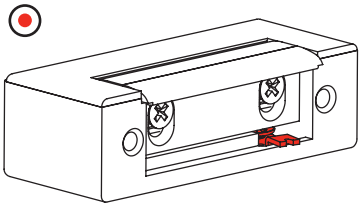


Internal Hold-open with mechanical unlocking

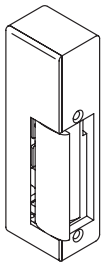
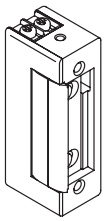
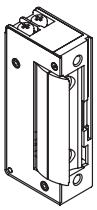
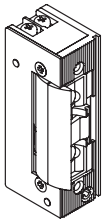
An internal device allows unlocking the electric strike through a single electric impulse.

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

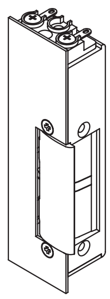
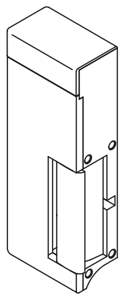
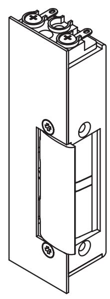
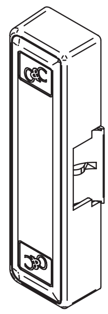
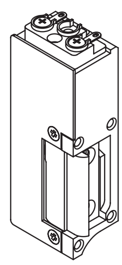
It features a mechanical lever for manual release.



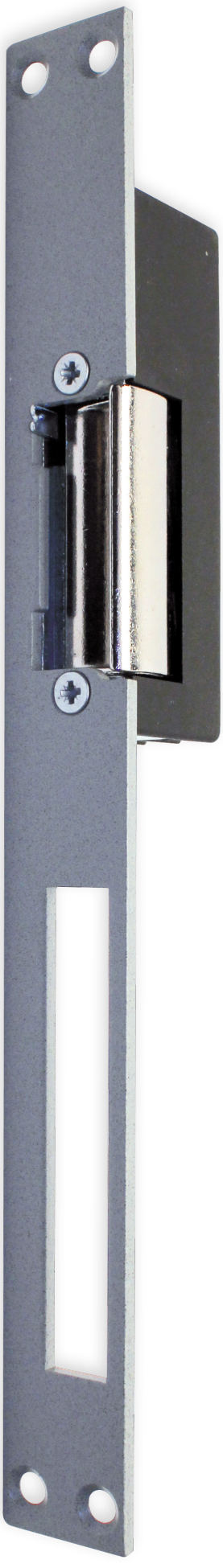
ELECTRIC STRIKES

		VOLTAGE							BASIC Series 1 & 2		SYMMETRIC Series 3	MINI Series 5	HIGH SECURITY Series 25
	Keeper	12 Vdc	24 Vdc	5-12 V ac/dc	6-12 V ac/dc	8-14 V ac/dc	9-14 V ac/dc	9-16 V ac/dc	References DIN right add faceplate	References DIN left add faceplate	References add faceplate	References add faceplate	References add faceplate
Fail-secure	Fixed					●			10.0.00.B	20.0.00.B			
				●					10.0.00.J	20.0.00.J			
		●							10.0.00.E	20.0.00.E			
			●						10.0.00.F	20.0.00.F			
	Adjustable					●			10.1.00.B	20.1.00.B	30.1.00.B		
				●					10.1.00.J	20.1.00.J	30.1.00.J		250.1.00.J
		●							10.1.00.E	20.1.00.E	30.1.00.E	50.1.00.E	250.1.00.E
			●						10.1.00.F	20.1.00.F	30.1.00.F	50.1.00.F	250.1.00.F
								●				50.1.00.B	
					●							50.1.00.J	
						●							250.1.00.B
Fail-secure with mechanical unlocking	Fixed					●			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					●			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	
			●						11.1.00.F	21.1.00.F	31.1.00.F	51.1.00.F	
								●				51.1.00.B	
					●							51.1.00.J	
Fail-secure with monitoring	Fixed	●											
			●										
						●							
	Adjustable	●										56.1.00.E	256.1.00.E
			●									56.1.00.F	256.1.00.F
								●				56.1.00.B	
					●							56.1.00.J	
						●							256.1.00.B
				●									256.1.00.J
Fail-secure with double monitoring	Fixed	●											
			●										
Hold-open	Fixed					●			12.0.00.B	22.0.00.B			
				●					12.0.00.J	22.0.00.J			
	Adjustable					●			12.1.00.B	22.1.00.B	32.1.00.B		252.1.00.B
				●					12.1.00.J	22.1.00.J	32.1.00.J		252.1.00.J
		●									32.1.00.E		
								●				52.1.00.B	
					●							52.1.00.J	
Hold-open with mechanical unlocking	Fixed					●			13.0.00.B	23.0.00.B			
				●					13.0.00.J	23.0.00.J			
	Adjustable					●			13.1.00.B	23.1.00.B	33.1.00.B		
				●					13.1.00.J	23.1.00.J	33.1.00.J		
		●									33.1.00.E		
								●				53.1.00.B	
					●							53.1.00.J	
Internal Hold-open	Fixed						●		12A.0.00.B	22A.0.00.B			
					●				12A.0.00.J	22A.0.00.J			
	Adjustable						●		12A.1.00.B	22A.1.00.B	32A.1.00.B		
					●				12A.1.00.J	22A.1.00.J	32A.1.00.J		
Internal Hold-open with mechanical unlocking	Fixed						●		13A.0.00.B	23A.0.00.B			
					●				13A.0.00.J	23A.0.00.J			
	Adjustable						●		13A.1.00.B	23A.1.00.B	33A.1.00.B		
					●				13A.1.00.J	23A.1.00.J	33A.1.00.J		
Fail-safe	Fixed	●											
			●										
	Adjustable	●									34.1.00.E	54.1.00.E	254.1.00.E
			●								34.1.00.F	54.1.00.F	254.1.00.F
Fail-safe with monitoring	Fixed	●											
			●										
	Adjustable	●										58.1.00.E	258.1.00.E
			●									58.1.00.F	258.1.00.F
Fail-safe with double monitoring	Fixed	●											
			●										

SECURITY Series 4R & 4L		**WATERPROOF** Series 7R & 7L		**FIRE** Series 24R & 24L		**EMERGENCY** Series 4	**ARMOURED** Series 9R & 9L	
References DIN right add faceplate	**References** DIN left add faceplate	**References** DIN right add faceplate	**References** DIN left add faceplate	**References** DIN right add faceplate	**References** DIN left add faceplate	**References** add box	**References** DIN right add faceplate	**References** DIN left add faceplate
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		
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.M	9L0.1.00.M
							9R0.1.00.N	9L0.1.00.N
							9R0.1.00.L	9L0.1.00.L
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		
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		
	47.4.00.P					47.6.00.P		
	47.4.00.N					47.6.00.N		
4R2A.4.00.L	4L2A.4.00.L	7R2A.4.00.L	7L2A.4.00.L			42A.6.00.L		
							9R2A.1.00.L	9L2A.1.00.L
							9R3A.1.00.L	9L3A.1.00.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		
							9R4.1.00.M	9L4.1.00.M
							9R4.1.00.N	9L4.1.00.N
4R8.4.00.M	4L8.4.00.M	7R8.4.00.M	7L8.4.00.M	24R8.4.00.P	24L8.4.00.P	48.6.00.M		
4R8.4.00.N	4L8.4.00.N	7R8.4.00.N	7L8.4.00.N	24R8.4.00.N	24L8.4.00.N	48.6.00.N		
	49.4.00.P					49.6.00.P		
	49.4.00.N					49.6.00.N		



BASIC

Series 1 & 2

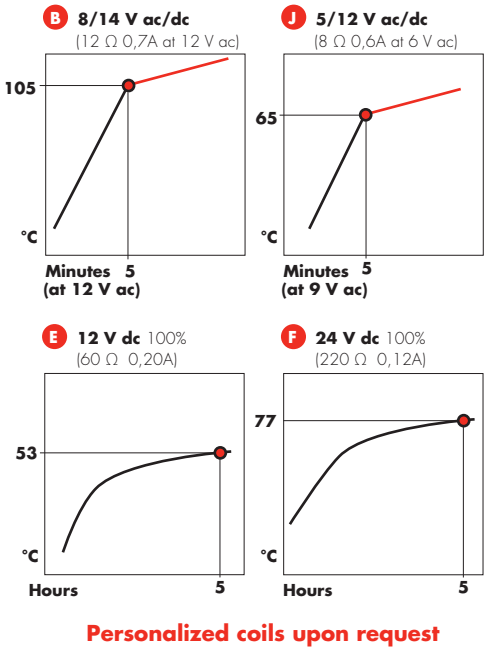
Basic electric strikes are ideal for simple ironmongery installations, such as **home door phones**. They are available with fixed or adjustable keeper, for either DIN right or left doors.

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

Technical features

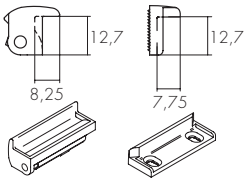
- Max. side-load on AC: 160 N
  Max. side-load on DC: 10 N
- Break-in resistance: 3.000 N
- Operating temperature range: -15 °C /+40 °C
- Housing: Zamak
  Keeper: Zamak
- Guaranteed 3 years
- Complies with 2004/108/CE (EN 55014)
- Corrosion resistant according to UNI ISO 9227

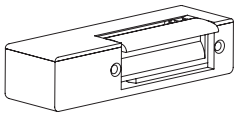
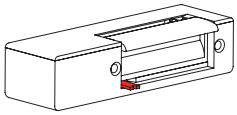
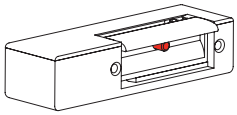
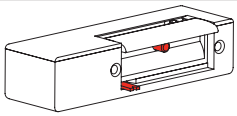
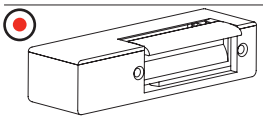
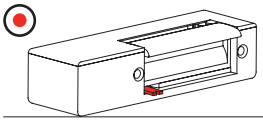
Coil features



Personalized coils upon request

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**
			●	●	8-14 V ac/dc	**10.1.00.B**	**20.1.00.B**
			●	●	5-12 V ac/dc	**10.1.00.J**	**20.1.00.J**
			●		12 V dc	**10.1.00.E**	**20.1.00.E**
			●		24 V dc	**10.1.00.F**	**20.1.00.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**
			●	●	8-14 V ac/dc	**11.1.00.B**	**21.1.00.B**
			●	●	5-12 V ac/dc	**11.1.00.J**	**21.1.00.J**
			●		12 V dc	**11.1.00.E**	**21.1.00.E**
			●		24 V dc	**11.1.00.F**	**21.1.00.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**
	**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**	●		●	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**
	**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

01 Grey
61 Inox
66 Inox

BOX

80 Grey
81 Grey

84 Grey
Chrome
Brass

LONG

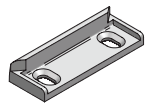
03 Grey|Brown
04 Grey|Brown
05 Grey|Brown
20 Inox
21 Inox
43 Inox
63 Inox
64 Inox
65 Inox
67 Inox
73 Inox
74 Inox
C3 Grey|Brown
C4 Grey|Brown
C5 Grey|Brown
C63 Inox
C64 Inox
C65 Inox
D3 Grey|Brown
D4 Grey|Brown

ANGLED

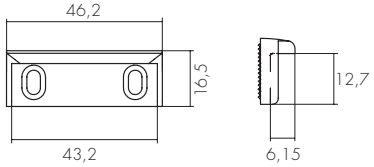
08 Brown
09 Brown
10 Brown
11 Brown
12 Brown
13 Brown
14 Brown
15 Brown
16 Brown
17 Brown

Shallow adjustable keeper

Supplied upon request

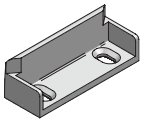


Ref. 2

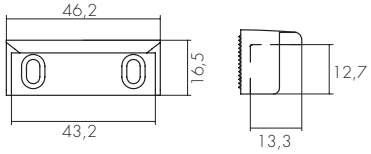


Deep adjustable keeper

Supplied upon request

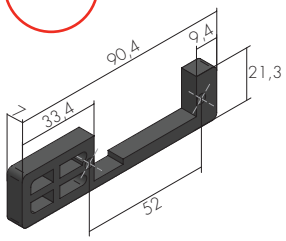


Ref. 3

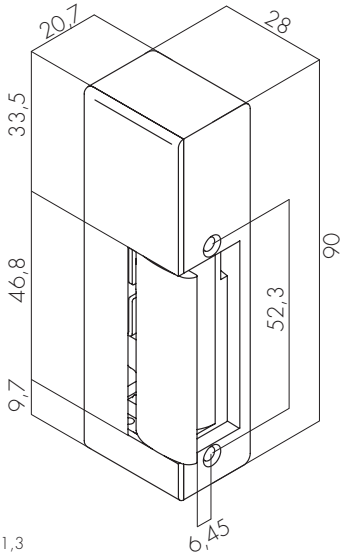


Shim kit

ESP2



Dimensions



Keeper's adjustability: 3 mm

SYMMETRIC

Series 3

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

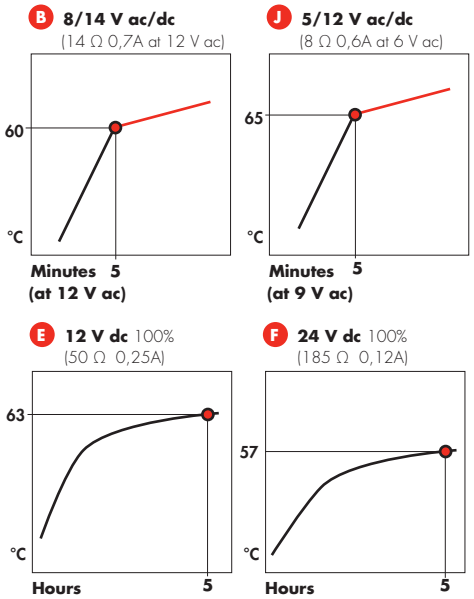
DC models are equipped with electronic protection in order to prevent damages to your access control system. This also represents an advantage for the installer as the connection is not polarized.

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

Technical Features

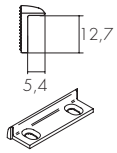
- Max. side-load on AC: 160 N
  Max. side-load on DC: 10 N
- Break-in resistance: 3.000 N
- Operating temperature range: -15 °C /+40 °C
- Housing: Zamak
  Keeper: Zamak
- Guaranteed 3 years
- Complies with 2004/108/CE (EN 55014)
- Corrosion resistant according to UNI ISO 9227

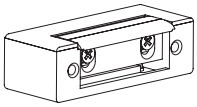
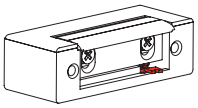
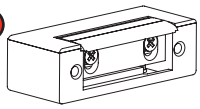
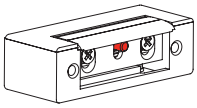
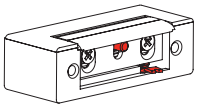
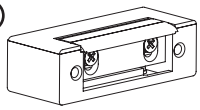
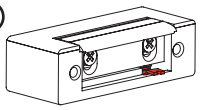
Coil features



Personalized coils upon request

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**
	**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**
	**Fail-safe**	●	●		●	12 V dc	**34.1.00.E**
		●	●		●	24 V dc	**34.1.00.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**
	**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**	●	●	●		9-14 V ac/dc	**32A.1.00.B**
		●	●	●		6-12 V ac/dc	**32A.1.00.J**
	**Internal Hold-open with mechanical unlocking**	●	●	●		9-14 V ac/dc	**33A.1.00.B**
		●	●	●		6-12 V ac/dc	**33A.1.00.J**

Recommended Faceplates

SHORT

01 Grey
02 Grey
61 Inox
62 Inox
66 Inox
92 Inox

BOX

81 Grey
84 Grey
Chrome
Brass

LONG

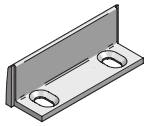
04 Grey|Brown
05 Grey|Brown
20 Inox
21 Inox
64 Inox
65 Inox
71 Inox
73 Inox
74 Inox
C4 Grey|Brown
C5 Grey|Brown
C64 Inox
C65 Inox
D4 Grey|Brown

ANGLED

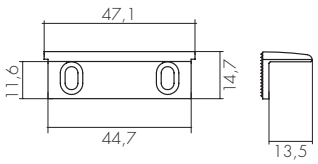
08 Brown
09 Brown
12 Brown
13 Brown
16 Brown
17 Brown

Deep adjustable keeper

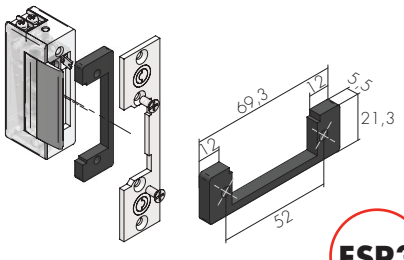
Supplied upon request



Ref. 3

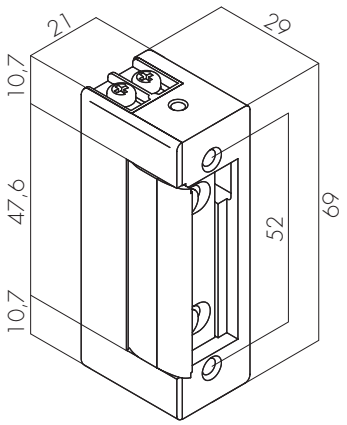


Shim kit installation



ESP3

Dimensions



Keeper's adjustability: 3 mm

MINI

Series 5

This 100% reversible electric strike – **only 16,5 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.

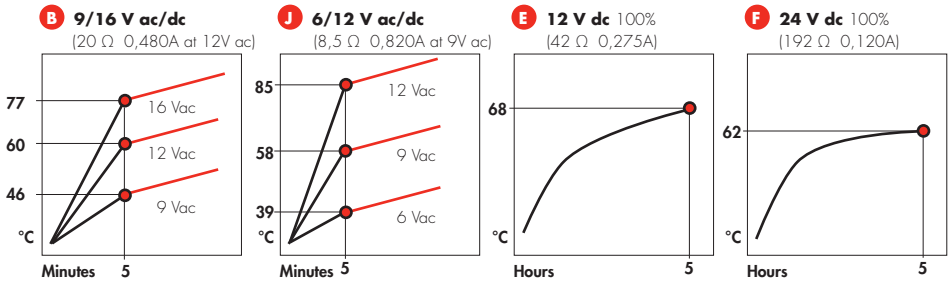
All models are equipped with electronic protection to prevent damage to the access control system they are connected to. This also represents an advantage for the installer as the connection is not polarized.

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

Technical features

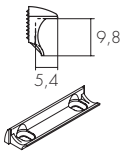
- Max. side-load on AC: 160 N
  Max. side-load on DC: 10 N
- Break-in resistance: 4.000 N
- Operating temperature range: -15 °C /+40 °C
- Housing: Zamak
  Keeper: Zamak
- New hold-open system
- Guaranteed 3 years
- Complies with 2004/108/CE (EN 55014)
- Corrosion resistant according to UNI ISO 9227

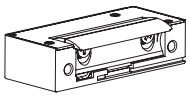
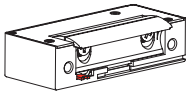
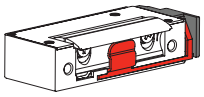
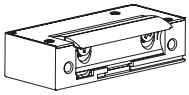
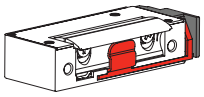
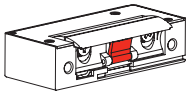
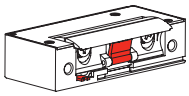
Coil features



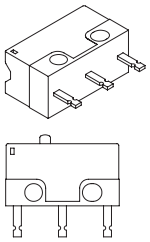
Personalized coils upon request

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.B**
		●	●	●	●	6-12 V ac/dc	**51.1.00.J**
		●	●		●	12 V dc	**51.1.00.E**
		●	●		●	24 V dc	**51.1.00.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**	●	●		●	12 V dc	**54.1.00.E**
		●	●		●	24 V dc	**54.1.00.F**
	**Fail-safe with monitoring**	●	●		●	12 V dc	**58.1.00.E**
		●	●		●	24 V dc	**58.1.00.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**

Monitoring features:



Microswitch S1

Intensity	1A/125V AC 0,5A/30V DC
Operating Speed	1 at 500 mm/second (at pin plunger)
Operating Frequency	Mechanical: 200 operations per minute Electrical: 30 operations per minute
Contact Resistance	50 mΩ maximum
Insulation Resistance	100 MΩ minimum (at 500V DC)
Ambient Temperature	From -25°C to 65°C (without ice)
Humidity	85% RH maximum (5° to 35°C)
Life Expectancy*	Mechanical: 300.000 operations minimum Electrical: 30.000 operations minimum

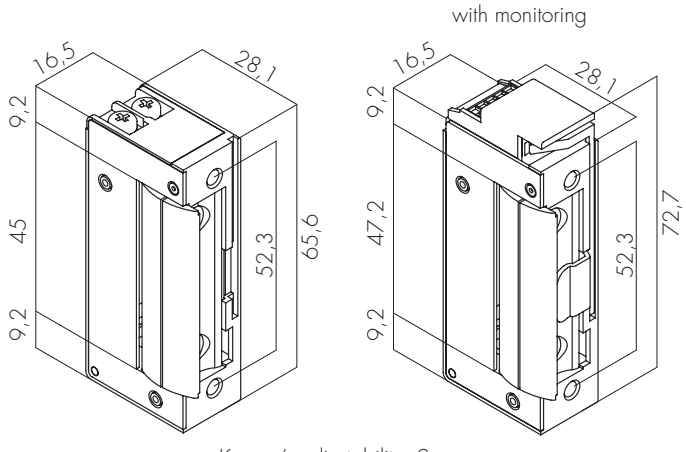
*at maximum power conditions

Recommended Faceplates

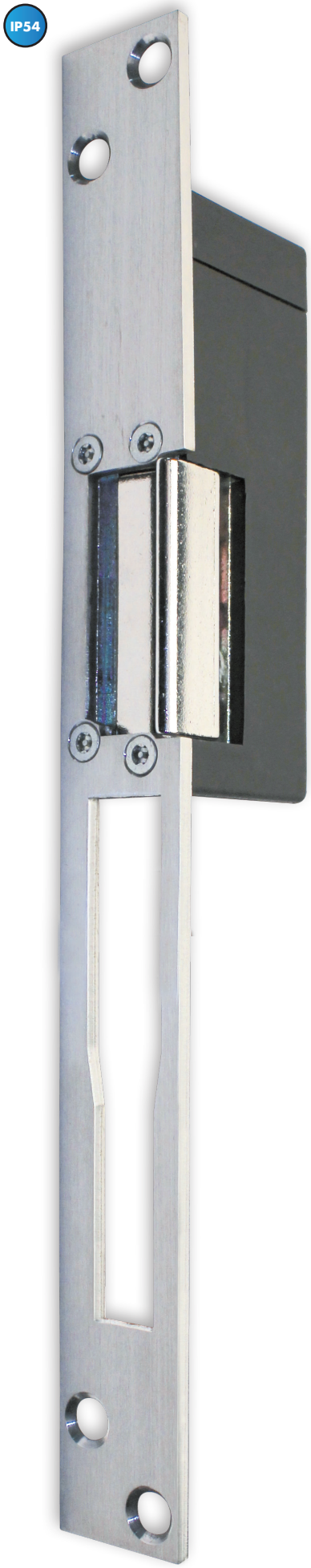
SHORT	LONG	ANGLED
27 Inox	22 Inox	24 Inox
28 Inox	23 Inox	25 Inox
	26 Inox	
	29 Inox	
	30 Inox	

Other fitting faceplates available

Dimensions



Keeper's adjustability: 2 mm



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.

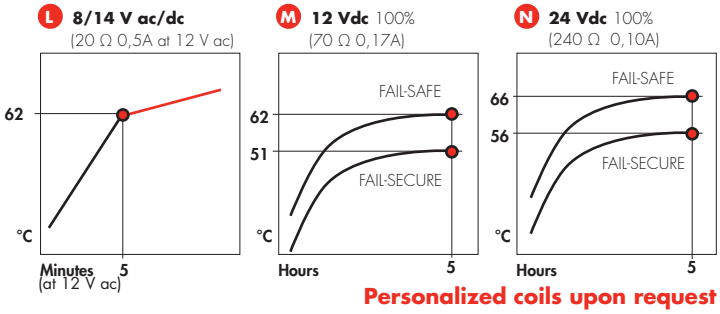
Technical features

- 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: Zamak
  Keeper: Zamak
- Guaranteed 3 years
- Complies with 2004/108/CE (EN 55014)
- Corrosion resistant according to UNI ISO 9227

Certifications

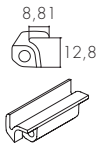
- IP 54 certified (protected against dust and water)

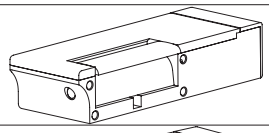
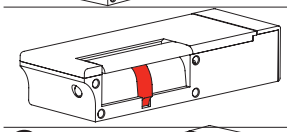
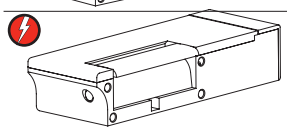
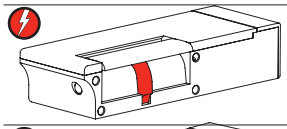
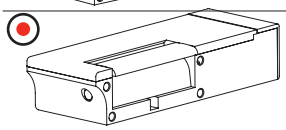
Coil features



Personalized coils upon request

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**
 **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**	●		●	12 V dc	**7R4.4.00.M**	**7L4.4.00.M**
	●		●	24 V dc	**7R4.4.00.N**	**7L4.4.00.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**
 **Internal Hold-open**	●	●		9-14 V ac/dc	**7R2A.4.00.L**	**7L2A.4.00.L**

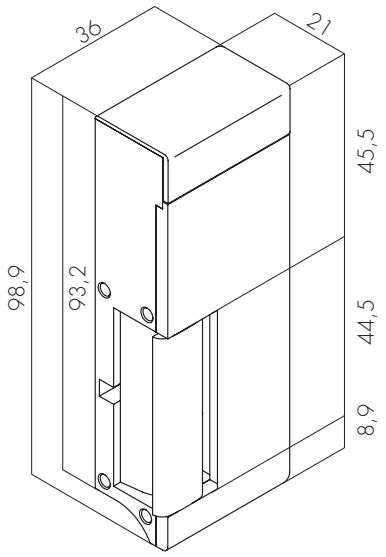
REED

Maximum voltage	100 V DC
Maximum current	0,3 A
Maximum power	3 W

Recommended Faceplates

SHORT		LONG	
76	Inox	68	Inox
		69	Inox
		75	Inox

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.

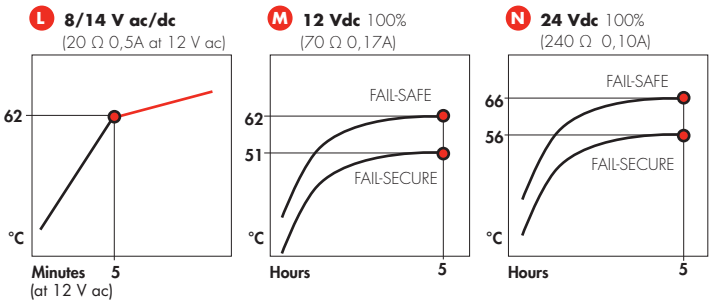
DC models are equipped with electronic protection in order to prevent damages to your access control system. This also represents an advantage for the installer as the connection is not polarized.

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

Technical features

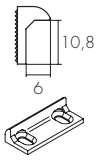
- Max. side-load on AC: 160 N
  Max. side-load on DC: 10 N
- Break-in resistance: 7.000 N
- Operating temperature range: -15 °C /+40 °C
- Housing: Zamak
  Keeper: Zamak
- Patented coil-fastening system
- Guaranteed 3 years
- Complies with 2004/108/CE (EN 55014)
- Corrosion resistant according to UNI ISO 9227

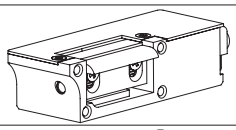
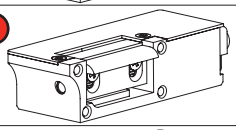
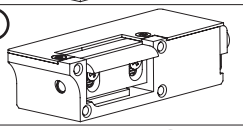
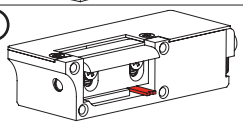
Coil features



Personalized coils upon request

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**
	**Fail-safe**	●		●	12 V dc	**9R4.1.00.M**	**9L4.1.00.M**
		●		●	24 V dc	**9R4.1.00.N**	**9L4.1.00.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**

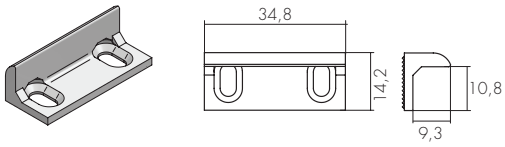
Recommended Faceplates

LONG

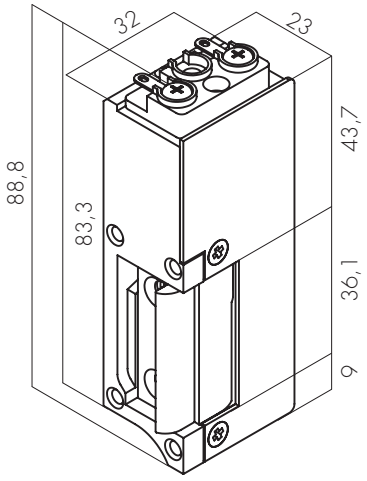
60 Inox
70 Inox

Deep adjustable keeper
Supplied upon request

Ref. 3



Dimensions



Keeper's adjustability: 3 mm

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.

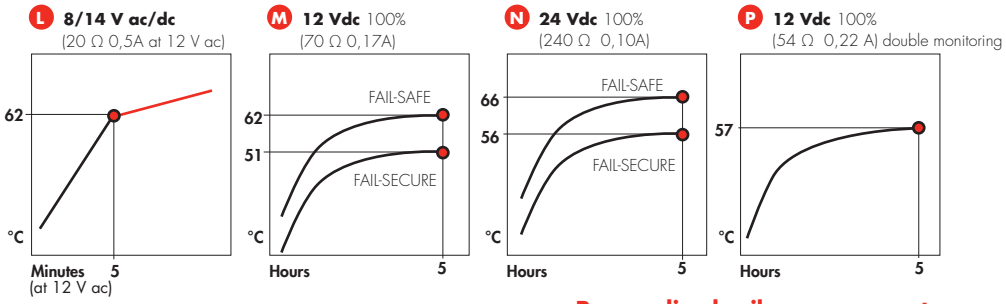
DC models are equipped with electronic protection in order to prevent damages to your access control system. This also represents an advantage for the installer as the connection is not polarized.

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

Technical features

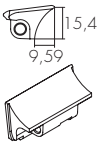
- Max. side-load on AC: 160 N
  Max. side-load on DC: 10 N
- Break-in resistance: 7.000 N
- Operating temperature range: -15 °C /+40 °C
- Housing: Zamak
  Keeper: Zamak
- Patented coil-fastening system
- Guaranteed 3 years
- Complies with 2004/108/CE (EN 55014)
- Corrosion resistant according to UNI ISO 9227

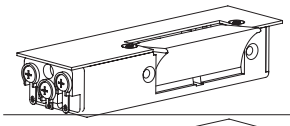
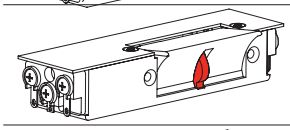
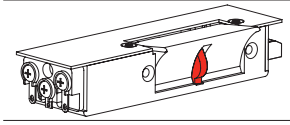
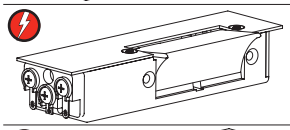
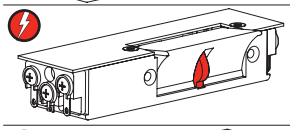
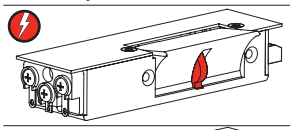
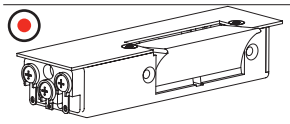
Coil features



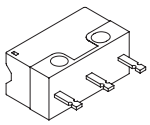
Personalized coils upon request

References and features

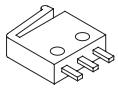


	Symmetrical reversibility	Fixed keeper	Side-load	Electronic protection	Voltage	References add box
 **Fail-secure**	●	●	●		8-14 V ac/dc	**40.6.00.L**
	●	●		●	12 V dc	**40.6.00.M**
	●	●		●	24 V dc	**40.6.00.N**
 **Fail-secure with monitoring**	●	●	●		8-14 V ac/dc	**46.6.00.L**
	●	●		●	12 V dc	**46.6.00.M**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

Monitoring features:



Microswitch S1



Microswitch S2

	Microswitch S1	Microswitch S2
Intensity	1A/125V AC 0,5A/30V DC	0,5A/30V DC
Operating Speed	1 at 500 mm/second (at pin plunger)	1 at 500 mm/second (at pin plunger)
Operating Frequency	Mechanical: 200 operations per minute Electrical: 30 operations per minute	Mechanical: 200 operations per minute Electrical: 30 operations per minute
Contact Resistance	50 mΩ maximum	30 mΩ maximum
Insulation Resistance	100 MΩ minimum (at 500V DC)	100 MΩ minimum (at 500V DC)
Ambient Temperature	From -25°C to 65°C (without ice)	From -25°C to 70°C (without ice)
Humidity	85% RH maximum (5° to 35°C)	85% RH maximum (5° to 35°C)
Protection degree		IP 40
Life Expectancy*	Mechanical: 300.000 operations minimum Electrical: 30.000 operations minimum	Mechanical: 30.000 operations minimum Electrical: 30.000 operations minimum

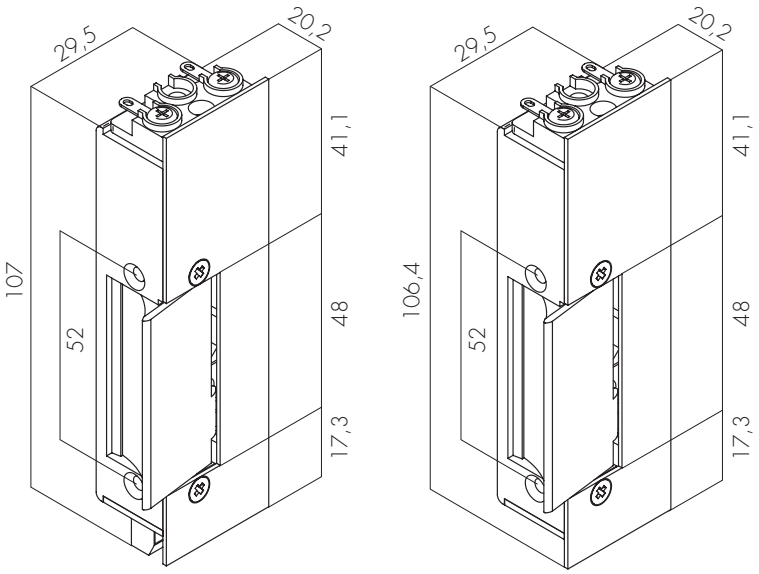
*at maximum power conditions

Recommended Boxes

BOX

82 Black|Red
83 Black|Red + C83
85 Black|Red + Base + C83

Dimensions



with double monitoring

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.

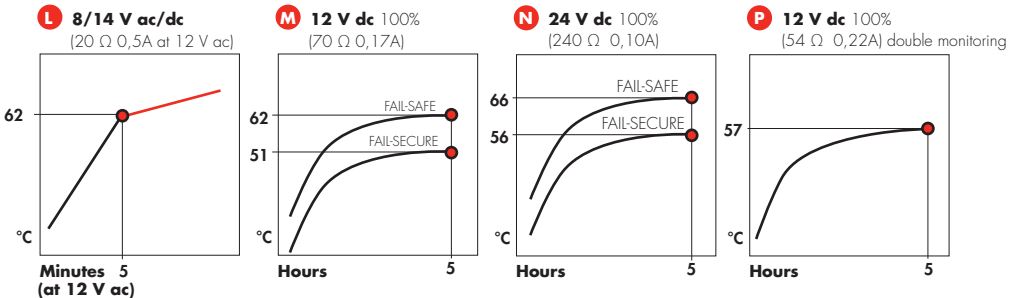
DC models are equipped with electronic protection in order to prevent damages to your access control system. This also represents an advantage for the installer as the connection is not polarized.

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

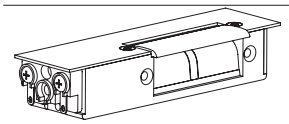
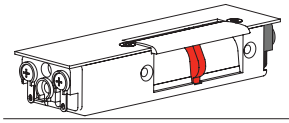
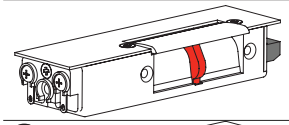
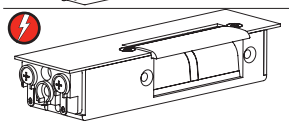
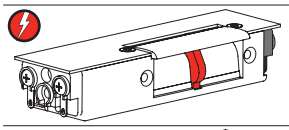
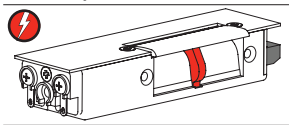
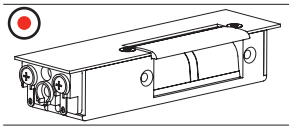
- Max. side-load on AC: 160 N
  Max. side-load on DC: 10 N
- Break-in resistance: 7.000 N
- Operating temperature range: -15 °C /+40 °C
- Housing: Reinforced Zamak
  Keeper: Steel
- Guaranteed 3 years.
- Complies with 2004/108/CE (EN 55014)
- Corrosion resistant according to UNI ISO 9227

Coil features

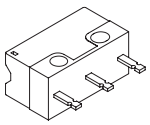


Personalized coils upon request

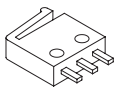
References and features

		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**
	**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**	●		●	12 V dc	**4R4.4.00.M**	**4L4.4.00.M**
		●		●	24 V dc	**4R4.4.00.N**	**4L4.4.00.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**
	**Internal Hold-open**	●	●		9-14 V ac/dc	**4R2A.4.00.L**	**4L2A.4.00.L**

Monitoring features:



Microswitch S1



Microswitch S2

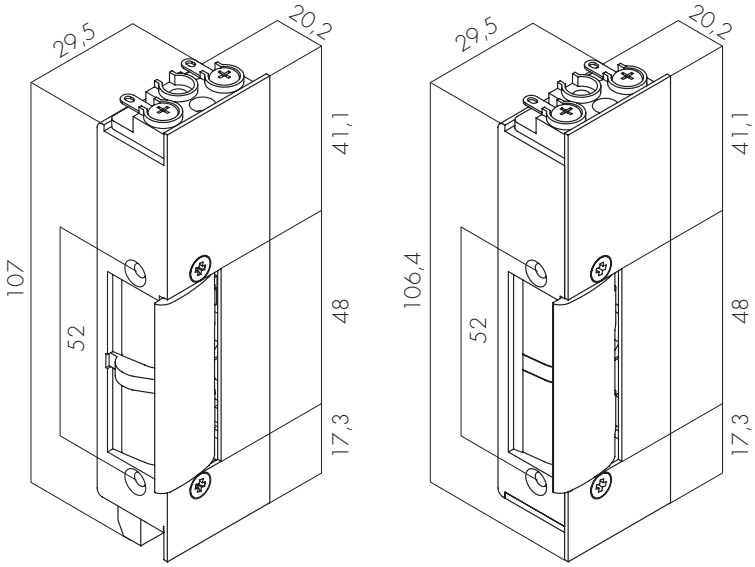
	Microswitch S1	Microswitch S2
Intensity	1A/125V AC 0,5A/30V DC	0,5A/30V DC
Operating Speed	1 at 500 mm/second (at pin plunger)	1 at 500 mm/second (at pin plunger)
Operating Frequency	Mechanical: 200 operations per minute Electrical: 30 operations per minute	Mechanical: 200 operations per minute Electrical: 30 operations per minute
Contact Resistance	50 mΩ maximum	30 mΩ maximum
Insulation Resistance	100 MΩ minimum (at 500V DC)	100 MΩ minimum (at 500V DC)
Ambient Temperature	From -25°C to 65°C (without ice)	From -25°C to 70°C (without ice)
Humidity	85% RH maximum (5° to 35°C)	85% RH maximum (5° to 35°C)
Protection degree		IP 40
Life Expectancy*	Mechanical: 300.000 operations minimum Electrical: 30.000 operations minimum	Mechanical: 30.000 operations minimum Electrical: 30.000 operations minimum

*at maximum power conditions

Recommended Faceplates

SHORT	LONG	ANGLED
61 Inox	43 Inox	16 Brown
66 Inox	67 Inox	17 Brown
	71 Inox	45 Inox
		48 Inox

Dimensions



with double monitoring

FIRE

Series 24R & 24L

RF-120 electric strikes are manufactured to resist temperatures above 1.100 °C for 120 minutes and are the ideal strikes for **fire door 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.

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.

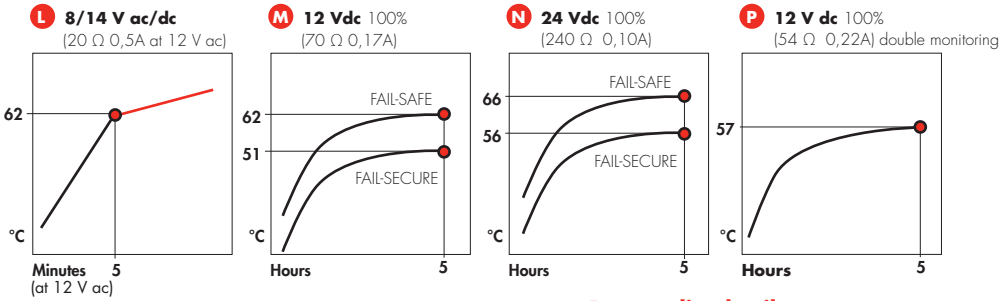
Technical features

- Max. side-load on AC: 160 N
  Max. side-load on DC: 10 N
- Break-in resistance: 10.000 N
- Operating temperature range: -15 °C /+40 °C
- Housing: Steel
  Keeper: Steel
- Guaranteed 3 years
- Complies with 2004/108/CE (EN 55014)
- Corrosion resistant according to UNI ISO 9227

Certifications

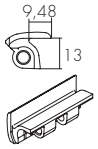
- UNE EN 1634-1, RF-120

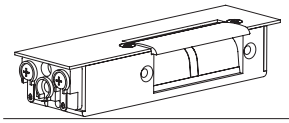
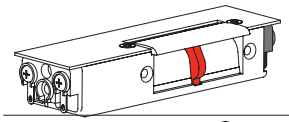
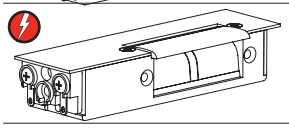
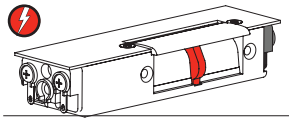
Coil features



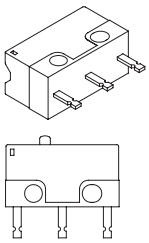
Personalized coils upon request

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-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**	●		●	12 V dc	**24R4.4.00.P**	**24L4.4.00.P**
	●		●	24 V dc	**24R4.4.00.N**	**24L4.4.00.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	1A/125V AC 0,5A/30V DC
Operating Speed	1 at 500 mm/second (at pin plunger)
Operating Frequency	Mechanical: 200 operations per minute Electrical: 30 operations per minute
Contact Resistance	50 mΩ maximum
Insulation Resistance	100 MΩ minimum (at 500V DC)
Ambient Temperature	From -25°C to 65°C (without ice)
Humidity	85% RH maximum (5° to 35°C)
Life Expectancy*	Mechanical: 300.000 operations minimum Electrical: 30.000 operations minimum

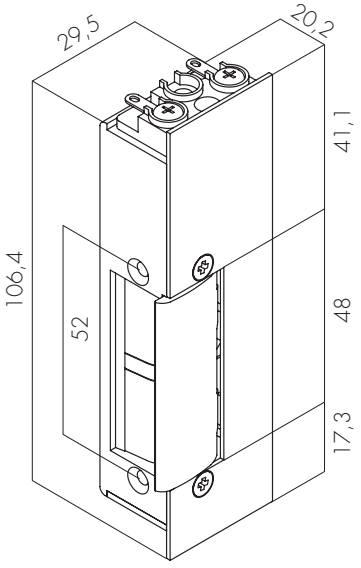
*at maximum power conditions

Recommended Faceplates

SHORT

61 Inox
66 Inox

Dimensions



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.

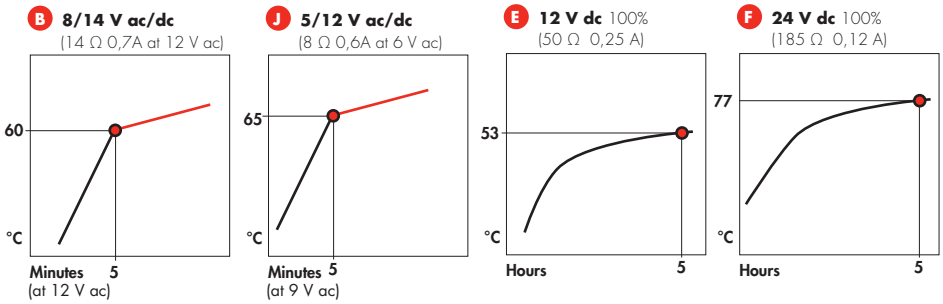
They are 100% reversible and feature an adjustable keeper. The radial keeper rotates inside the mechanism box of the electric strike, so the installer does not have to cut the door frame to make it fit.

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

Technical features

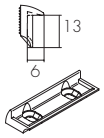
- Max. side-load on AC: 160 N
  Max. side-load on DC: 10 N
- Break-in resistance: 10.000 N
- Operating temperature range: -15 °C /+40 °C
- Housing: Steel
  Keeper: Stainless Steel
- New hold-open system
- Guaranteed 3 years
- Complies with 2004/108/CE (EN 55014)
- Corrosion resistant according to UNI ISO 9227

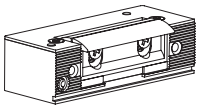
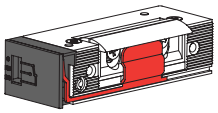
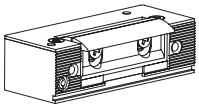
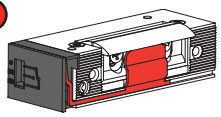
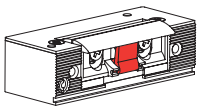
Coil features



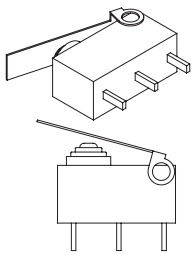
Personalized coils upon request

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**
	**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**	●	●		●	12 V dc	**254.1.00.E**
		●	●		●	24 V dc	**254.1.00.F**
	**Fail-safe with monitoring**	●	●		●	12 V dc	**258.1.00.E**
		●	●		●	24 V dc	**258.1.00.F**
	**Hold-open**	●	●	●	●	8-14 V ac/dc	**252.1.00.B**
		●	●	●	●	5-12 V ac/dc	**252.1.00.J**

Monitoring features:



Microswitch S3

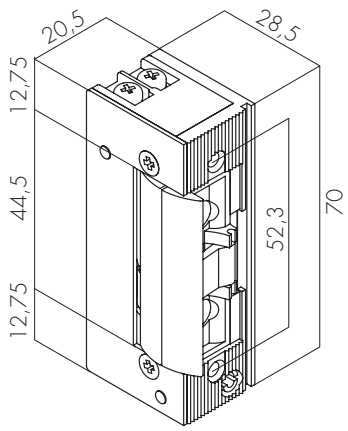
Intensity	0,1A/125V AC 2A/12V DC
Operating Speed	1 at 500 mm/second (at pin plunger)
Operating Frequency	Electrical: 30 operations per minute
Contact Resistance	100 mΩ maximum
Insulation Resistance	100 MΩ minimum (at 500V DC)
Ambient Temperature	From -40°C to 85°C (without ice)
Humidity	95% RH maximum (5° to 35°C)
Protection degree	IEC IP 67 (excluding the terminal)
Life Expectancy*	Mechanical: 1.000.000 operations minimum (30 operations per minute) Electrical: 100.000 operations minimum (20 operations per minute)

*at maximum power conditions

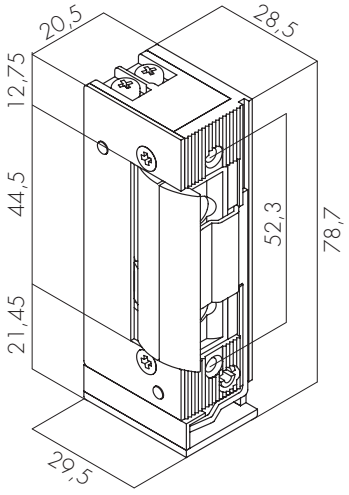
Recommended Faceplates

SHORT	LONG	ANGLED
61 Inox	43 Inox	16 Brown
66 Inox	63 Inox	17 Brown
92 Inox	67 Inox	45 Inox
	71 Inox	48 Inox
	C63 Inox	

Dimensions



with monitoring

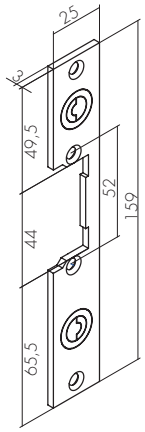


Keeper's adjustability: 3 mm

FACEPLATES

Type	Faceplate	Color	Reversible	DIN Left	DIN Right	BASIC	SYMMETRIC	MINI	SECURITY	HIGH SECURITY	WATERPROOF	FIRE	EMERGENCY	ARMOURED
Short	01	Grey	●			●	●							
	02	Grey	●				●							
	27	Inox	●					●						
	28	Inox	●					●						
	61	Inox	●			●	●		●	●		●		
	62	Inox	●				●							
	66	Inox	●			●			●	●		●		
	76	Inox	●								●			
	92	Inox	●				●			●				
Boxes	80	Grey	●			●								
	81	Grey	●			●	●							
	82	Black Red	●										●	
	83 + C83	Black Red	●										●	
	84	Grey | Chrome | Brass	●			●	●							
	85 + Base + C83	Black Red	●										●	
Long	03	Grey | Brown	●			●								
	04	Grey | Brown	●			●	●							
	05	Grey | Brown	●			●	●							
	20	Inox			●	●	●							
	21	Inox		●		●	●							
	22	Inox			●			●						
	23	Inox		●				●						
	26	Inox	●					●						
	29	Inox	●					●						
	30	Inox	●					●						
	43	Inox	●			●			●	●				
	60	Inox	●											●
	63	Inox	●			●				●				
	64	Inox	●			●	●							
	65	Inox	●			●	●							
	67	Inox	●			●			●	●				
	68	Inox	●								●			
	69	Inox	●								●			
	70	Inox	●											●
	71	Inox	●				●							
	73	Inox			●	●	●							
	74	Inox		●		●	●							
	75	Inox	●								●			
	C3	Grey | Brown	●			●								
	C4	Grey | Brown	●			●	●							
	C5	Grey | Brown	●			●	●							
	C63	Inox	●			●				●				
	C64	Inox	●			●	●							
	C65	Inox	●			●	●							
	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	Inox			●			●						
	25	Inox		●				●						
	45	Inox			●				●	●				
	48	Inox		●					●	●				

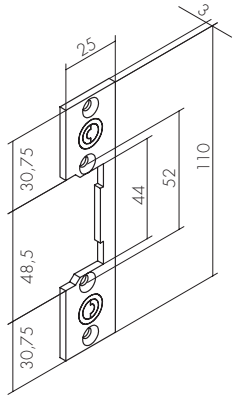
SHORT



Reversible

01 GREY

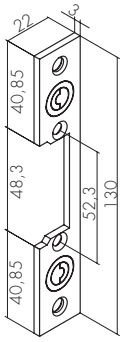
61 INOX 3mm



Reversible

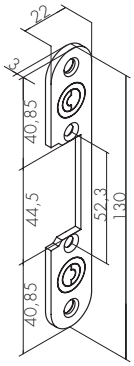
02 GREY

62 INOX 3mm



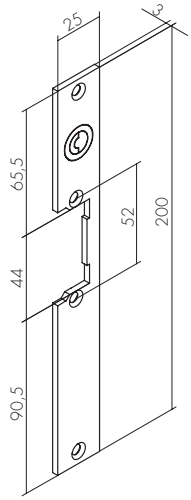
Reversible

27 INOX 3mm



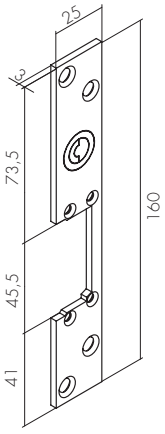
Reversible

28 INOX 3mm



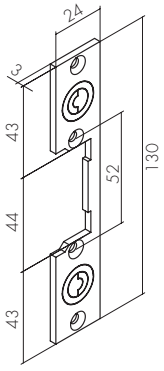
Reversible

66 INOX 3mm



Reversible

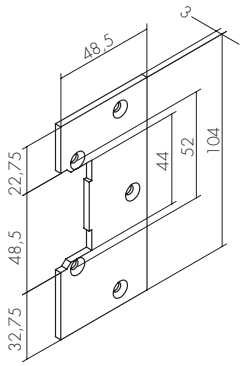
76 INOX 3mm



Reversible

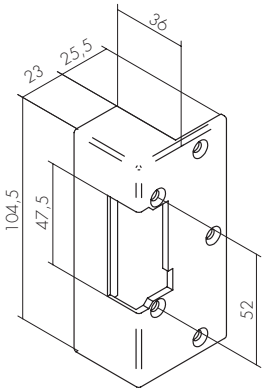
92 INOX 3mm

BOXES



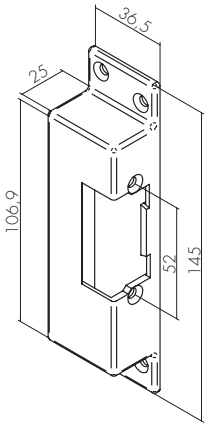
Reversible

80 GREY



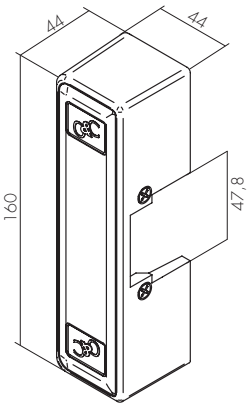
Reversible

81 GREY



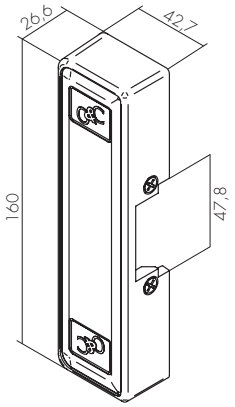
Reversible

84 GREY
CHROME
BRASS



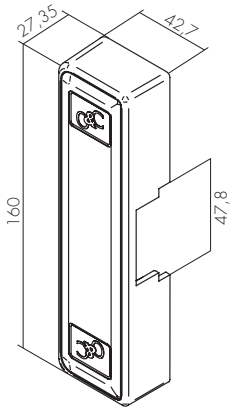
Reversible

82 BLACK
RED



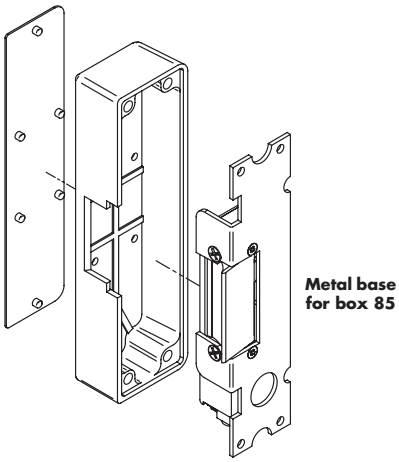
Reversible

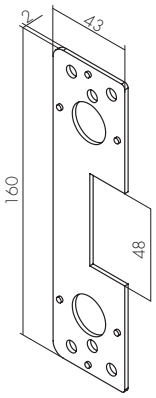
83 BLACK + C83
RED + C83



Reversible

85 BLACK + BASE + C83
RED + BASE + C83



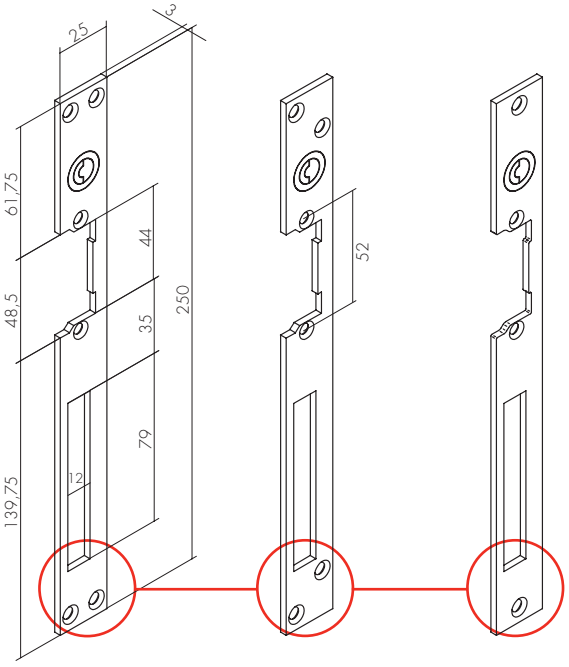


Shim kit for box 83/85

C83

6 units included

LONG



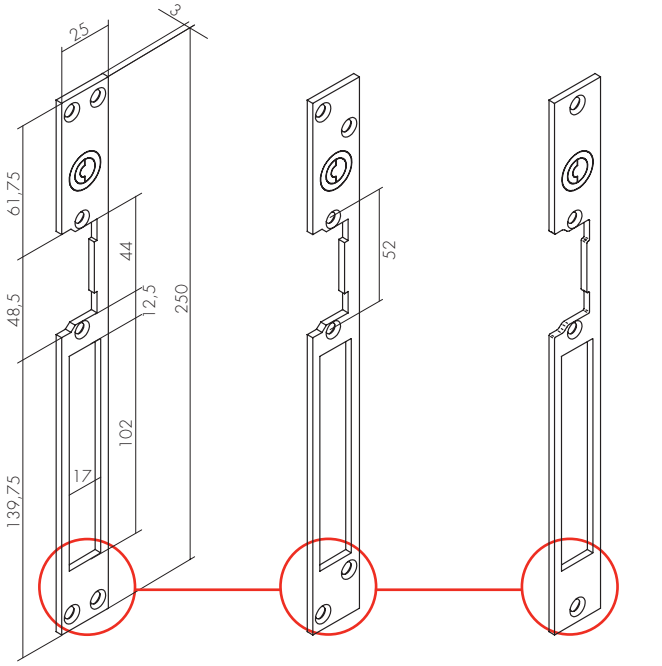
Reversible
03 GREY BROWN

63 INOX 3mm

Reversible
D3 GREY BROWN

Reversible
C3 GREY BROWN

C63 INOX 3mm



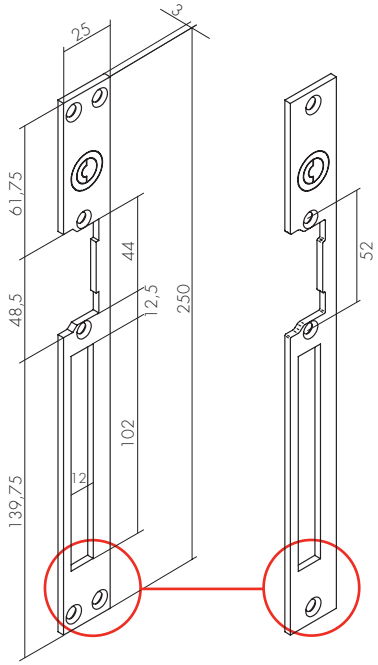
Reversible
04 GREY BROWN

64 INOX 3mm

Reversible
D4 GREY BROWN

Reversible
C4 GREY BROWN

C64 INOX 3mm

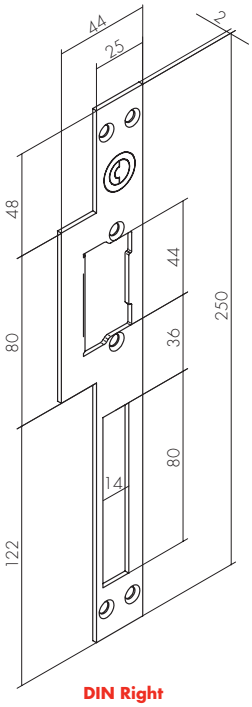


Reversible
05 GREY BROWN

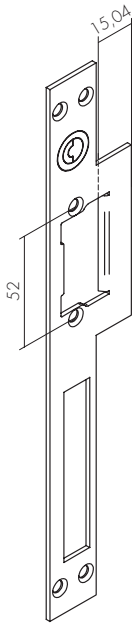
65 INOX 3mm

Reversible
C5 GREY BROWN

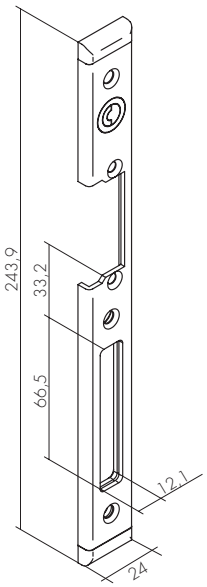
C65 INOX 3mm



DIN Right
20 INOX 2mm

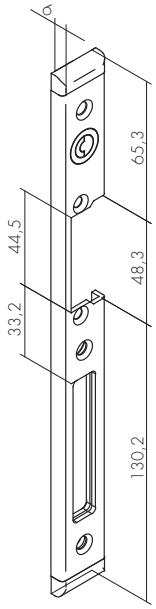


DIN Left
21 INOX 2mm



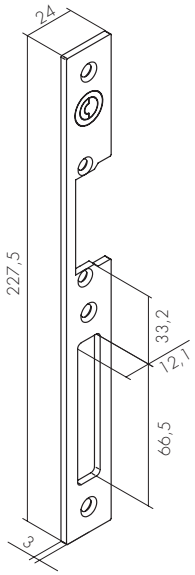
DIN Right

22 INOX 3mm



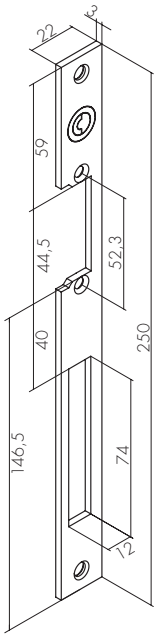
DIN Left

23 INOX 3mm



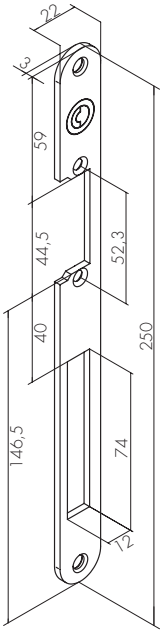
Reversible

26 INOX 3mm



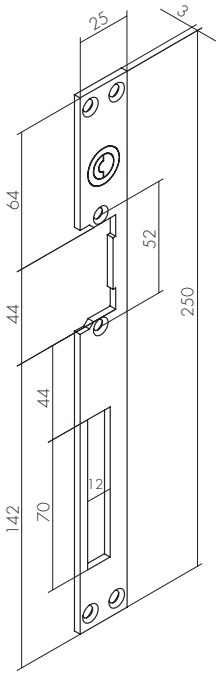
Reversible

29 INOX 3mm



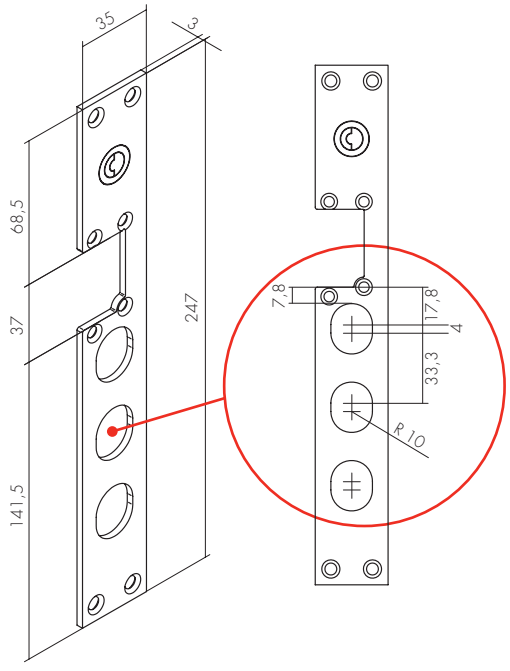
Reversible

30 INOX 3mm



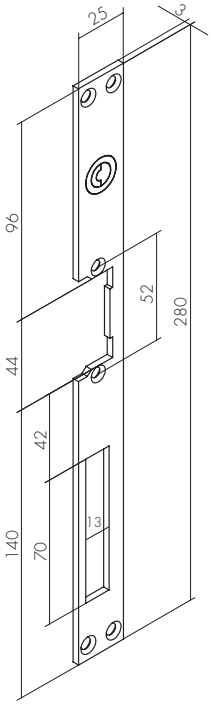
Reversible

43 INOX 3mm



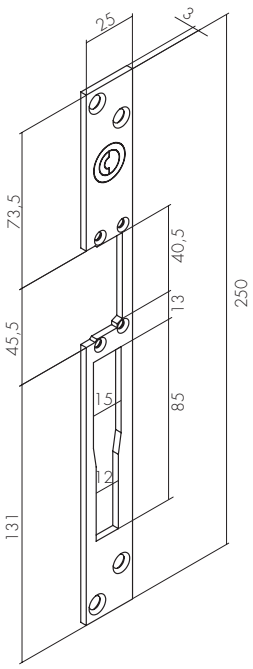
Reversible

60 INOX 3mm



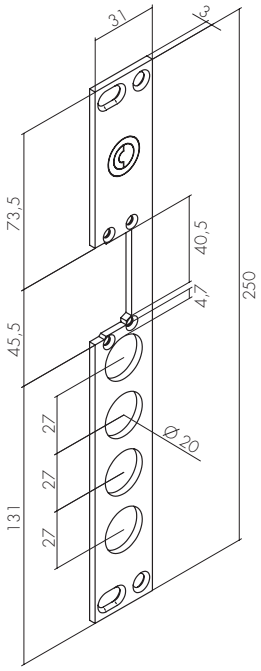
Reversible

67 INOX 3mm



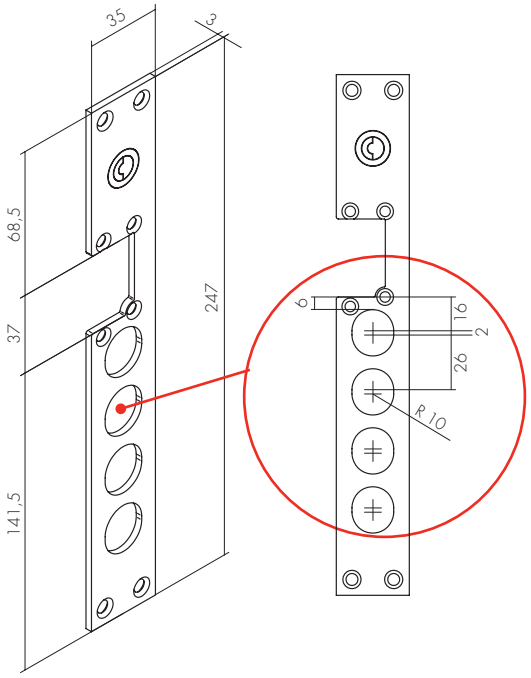
Reversible

68 INOX 3mm



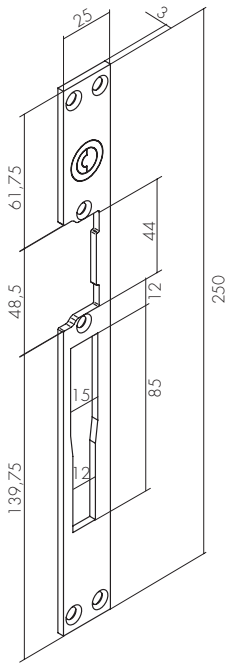
Reversible

69 INOX 3mm



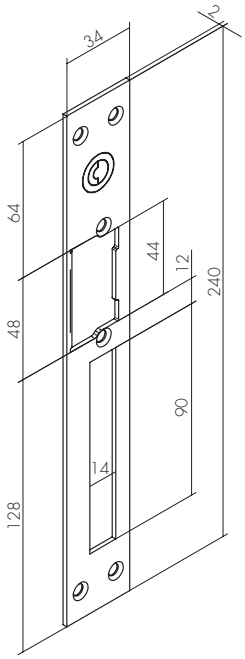
Reversible

70 INOX 3mm



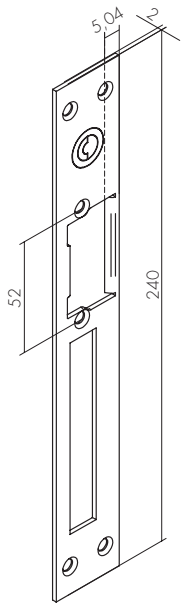
Reversible

71 INOX 3mm



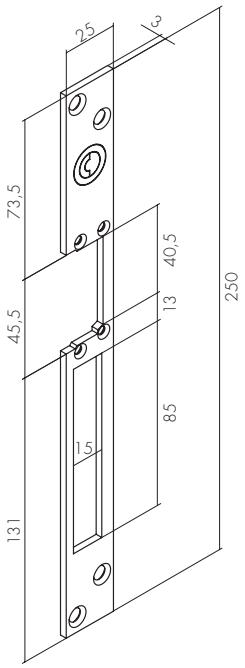
DIN Right

73 INOX 2mm



DIN Left

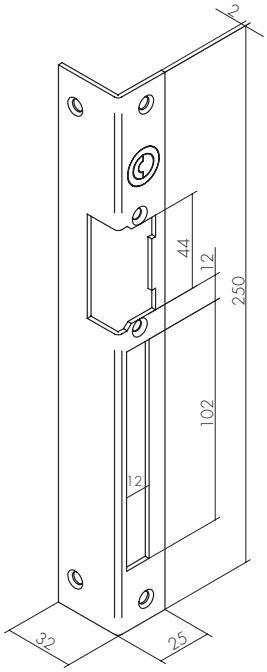
74 INOX 2mm



Reversible

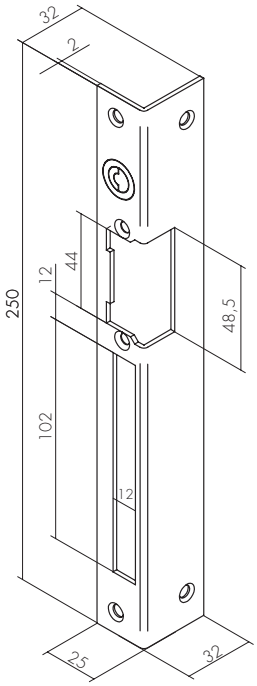
75 INOX 3mm

ANGLED



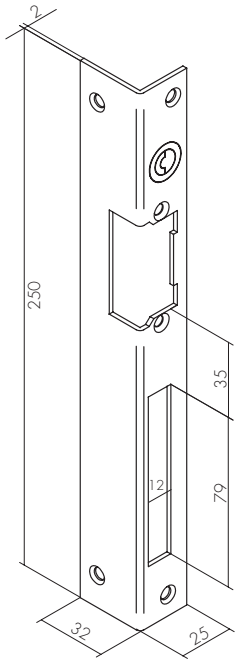
DIN Right

08 BROWN



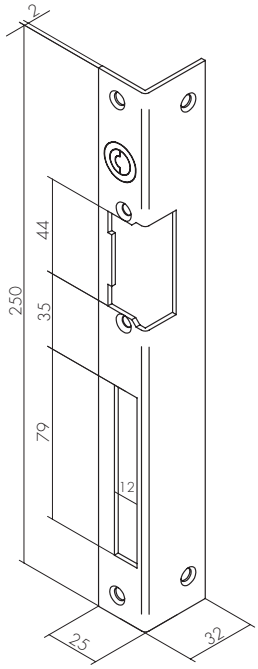
DIN Left

09 BROWN



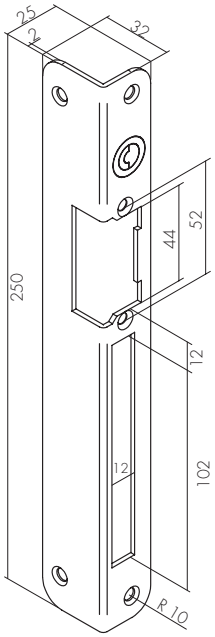
DIN Right

10 BROWN



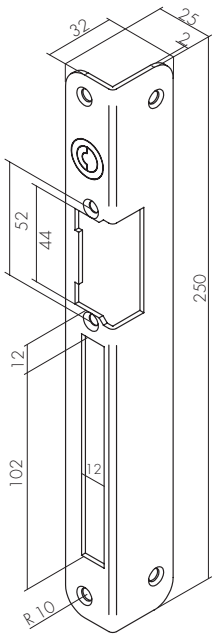
DIN Left

11 BROWN



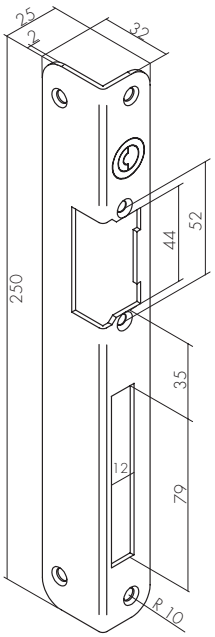
DIN Right

12 BROWN



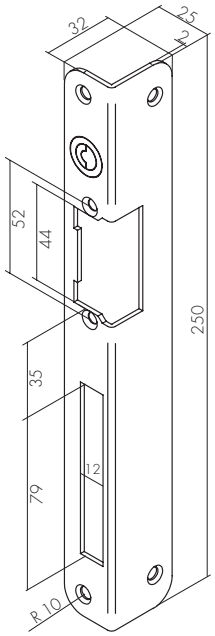
DIN Left

13 BROWN



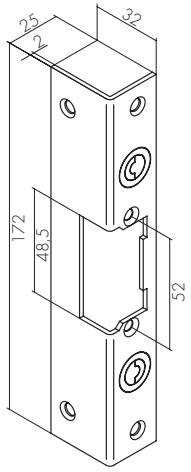
DIN Right

14 BROWN



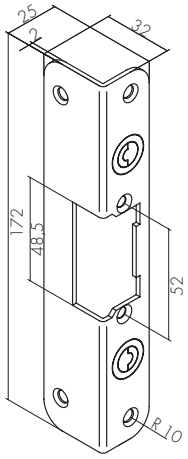
DIN Left

15 BROWN



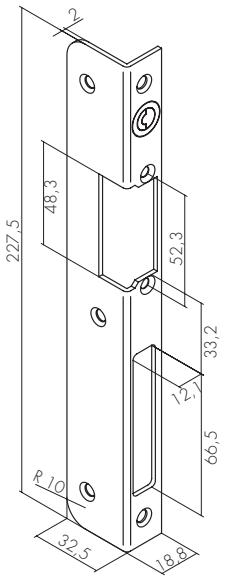
Reversible

16 BROWN



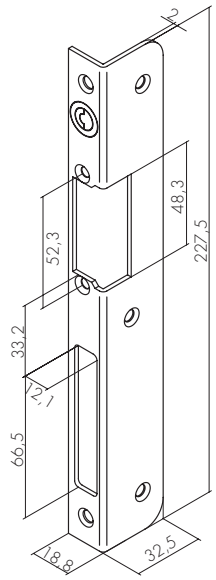
Reversible

17 BROWN



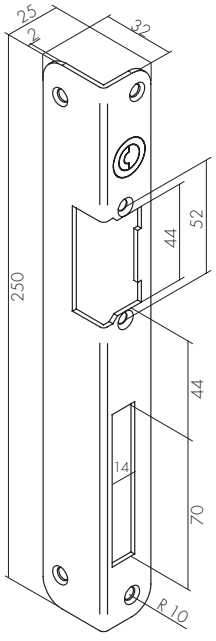
DIN Right

24 INOX 2mm



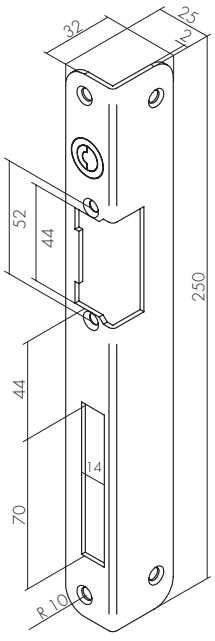
DIN Left

25 INOX 2mm



DIN Right

45 INOX 2mm



DIN Left

48 INOX 2mm

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 a 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.

	VOLTAGE													
	12 Vdc	Automatic Dual voltage 12/24 Vdc	Manual Dual voltage 12/24 Vdc	Mortise	Rim	LED	HOLDING FORCE	MBE 806	MBE 807	MBE 808	MBEX 180 (L)	MBEX 300 (L)	MBEX 600 (L)
MICRO			●	●	●		700 N						
MINI			●	●			2800 N						
			●	●			2800 N						
			●	●			2800 N						
			●	●			2800 N						
			●		●		2800 N	●					
			●		●		2800 N	●					
			●		●	●	2800 N	●					
			●		●		2800 N x 2		●				
			●		●		2800 N x 2		●				
			●		●	●	2800 N x 2		●				
BASIC	●				●		1800 N				●		
	●			●			3000 N						
		●			●		3000 N					●	
		●			●	●	3000 N					●	
		●			●		3000 N x 2					● x 2	
		●			●	●	3000 N x 2					● x 2	
		●			●		6500 N						●
		●			●	●	6500 N						●
		●		●			6500 N						
WATERPROOF			●		●		2500 N	●		●			
			●		●		2500 N	●		●			

	Voltage 24 Vdc	Manual Dual voltage 12/24 Vdc	HOLDING FORCE	Timer	Manual Release button	References
MAGNETIC DOOR HOLDERS	●		600 N			DHI - Industrial door holder
	●		600 N			DHS - Basic door holder
		●	600 N		●	DHB - Dual voltage door holder
	●		600 N	●	●	DHT - Door holder with timer
	●		300 N/600 N		●	DHD - Door holder with power-regulation
						DFS 160 - Door holder support
						DFS 300 - Door holder support
						PDH - Manual release button
						ADH - Counterplate for DHB / DHT / DHD
						AHI - Counterplate for DHI
						AHS - Counterplate for DHS

Accessories & Spares

	Automatic Voltage 10/36 Vdc	HOLDING FORCE	Timer	Installation	References
SHEARLOCK	●	15.000 N	●	Rim	SH 100
	●	15.000 N	●	Mortise	SH 200
	●	15.000 N	●	Glass / Glass	SH 300
	●	15.000 N	●	Glass / Rim	SH 400
	●	15.000 N	●	Glass / Mortise	SH 500

AVAILABLE BRACKETS FOR ME & MEX SERIES

MBAX 70	MBA 801 + MBA 802	MBAX 180 (Z)	MBAX 300	MBAX 600	MHAX 70 (U)	MHA 804	MHAX 180	MHAX 300	Bracket cover FSC 821 (L)	Bracket cover FSC 822 (Z)	Mounting kit for fire doors MRF 810	Mounting kit for sliding doors MSA 803	REFERENCES
●					●								MEX 70
												●	ME 200
												●	ME 201
												●	ME 210
												●	ME 211
	●					●			●	●	●	●	ME 400
	●					●			●	●	●	●	ME 410
	●					●			●	●	●	●	ME 420
	●					●			●	●	●	●	ME 600
	●					●			●	●	●	●	ME 610
	●					●			●	●	●	●	ME 620
		●					●						MEX 100
													MEX 201
			●					●			●		MEX 400
			●					●			●		MEX 430
			● x 2								●		MEX 600
			● x 2								●		MEX 630
				●									MEX 700
				●									MEX 730
													MEX 900
	●												ME 500
	●												ME 510

Important:

(L) MBE 800 included with ME 400/410/420
MBE 805 included with ME 600/610/620

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.

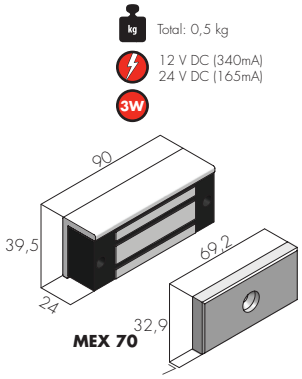
Our MEX 70 is especially designed for small applications such as closets, cabinets, showcases, drawers, lockers, etc.

Technical features

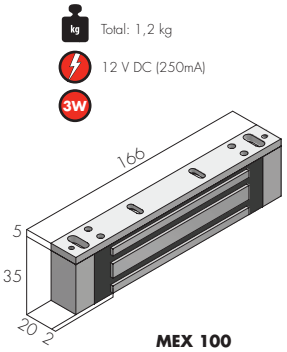
- Dual voltage 12/24V DC (automatic switch on selected models)
- Reed + LED monitoring (open/closed)
- Low power consumption
- Electronic protection
- Vandal Protection
- Timer (2 to 8 seconds)
- Guaranteed 3 years

References and features

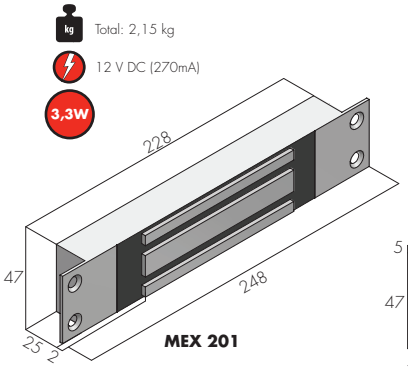
Holding force	12 Vdc	Manual Dual voltage 12/24 Vdc	Automatic Dual voltage 12/24 Vdc	Mortise	Rim	Reed + Timer	LED	Available brackets for MEX series: L MBEX 180	L MBEX 300	L MBEX 600	Z MBAX 70	Z MBAX 180	Z MBAX 300	Z MBAX 600	U MHAX 70	U MHAX 180	U MHAX 300	References
700 N		●		●	●						●				●			**MEX 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			●		●	●			● 2 units				● 2 units					**MEX 600**
3.000 N x2			●		●	●	●		● 2 units				● 2 units					**MEX 630**
6.500 N			●		●	●				●				●				**MEX 700**
6.500 N			●		●	●	●			●				●				**MEX 730**
6.500 N			●	●		●												**MEX 900**



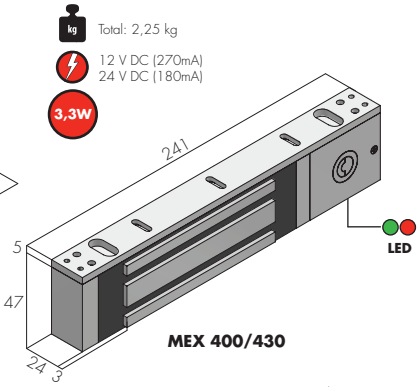
MEX 70



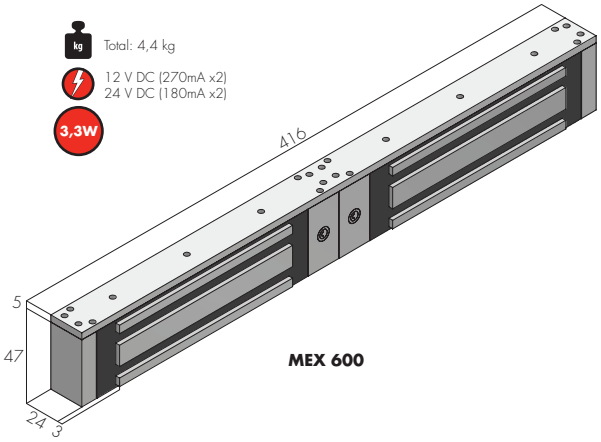
MEX 100



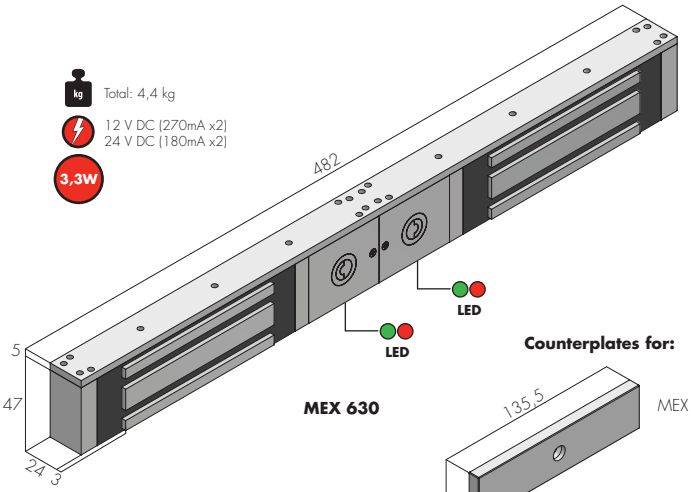
MEX 201



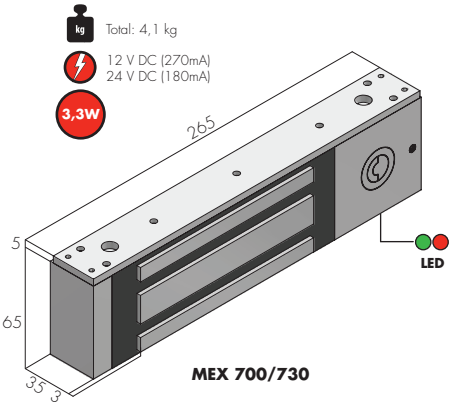
MEX 400/430



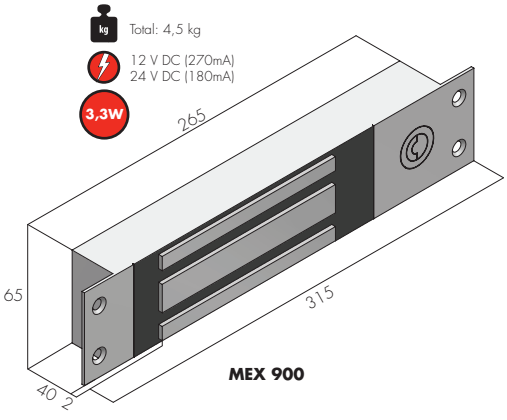
MEX 600



MEX 630



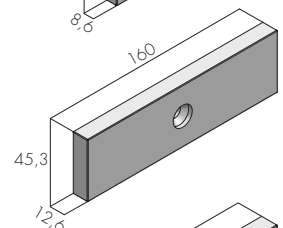
MEX 700/730



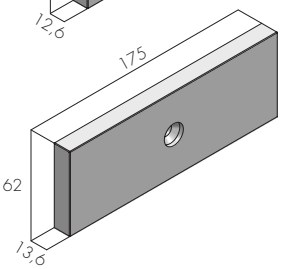
MEX 900

Counterplates for:

MEX 100



MEX 201
MEX 400/430
MEX 600/630

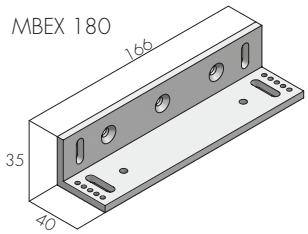


MEX 700/730
MEX 900

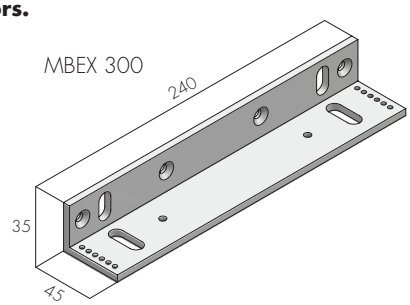
BRACKETS FOR BASIC ELECTROMAGNETIC LOCKS

L For outward opening doors.

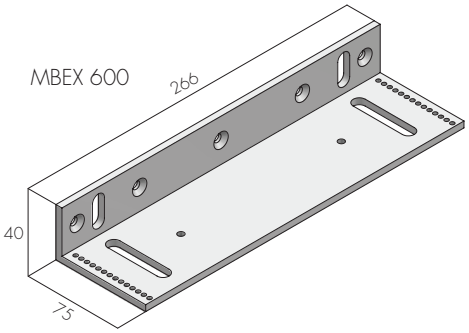
MBEX 180



MBEX 300

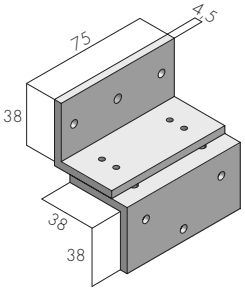


MBEX 600

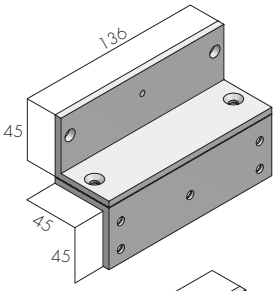


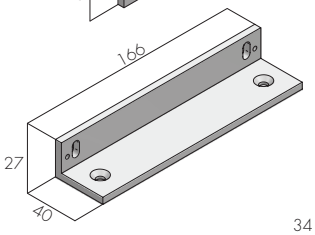
Z For inward opening doors.

MBAX 70

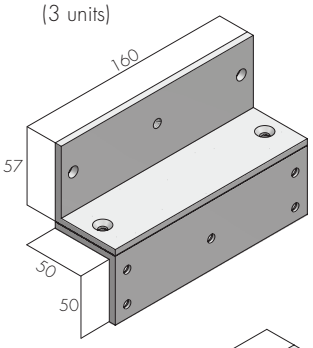


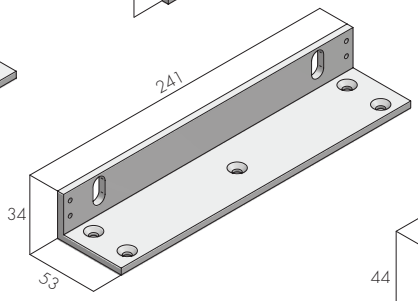
MBAX 180
(3 units)



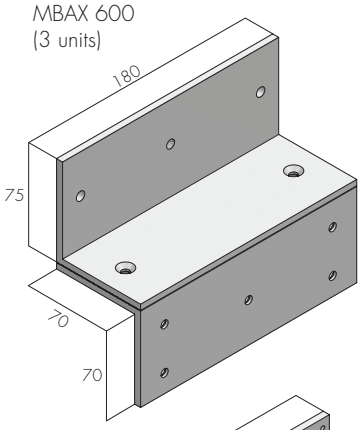


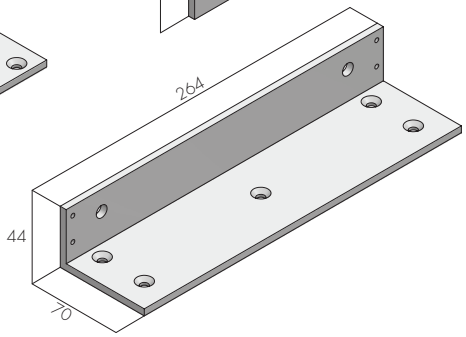
MBAX 300
(3 units)





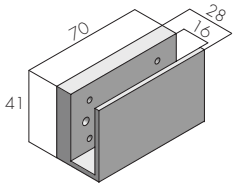
MBAX 600
(3 units)



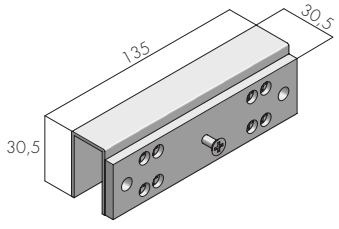


U For glass doors.

MHAX 70

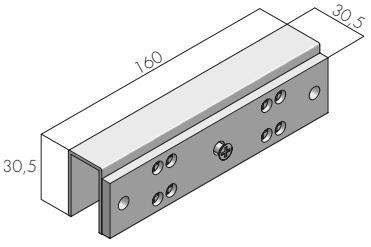


MHAX 180



Max. glass thickness: 12 mm

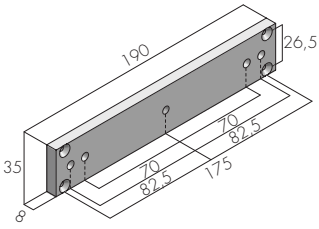
MHAX 300



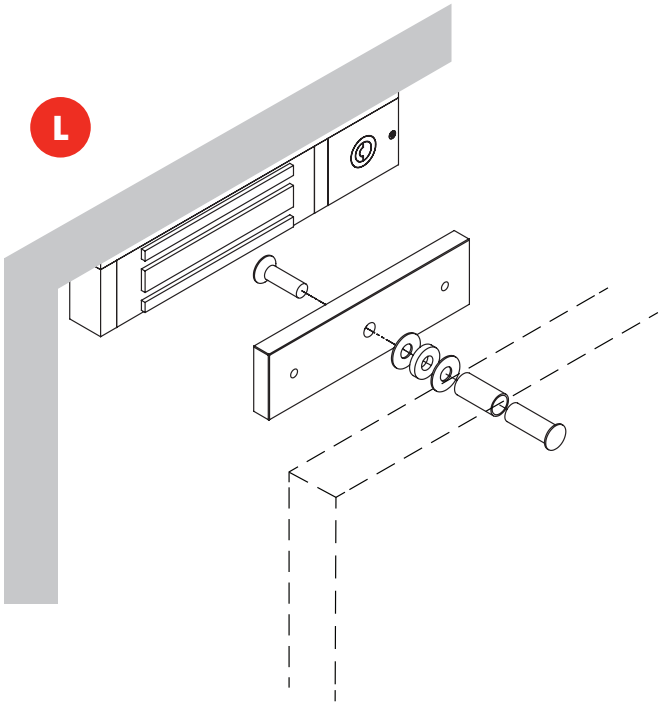
Max. glass thickness: 16 mm

Mounting kit for fire doors

MRF 810



MOST COMMON INSTALLATIONS

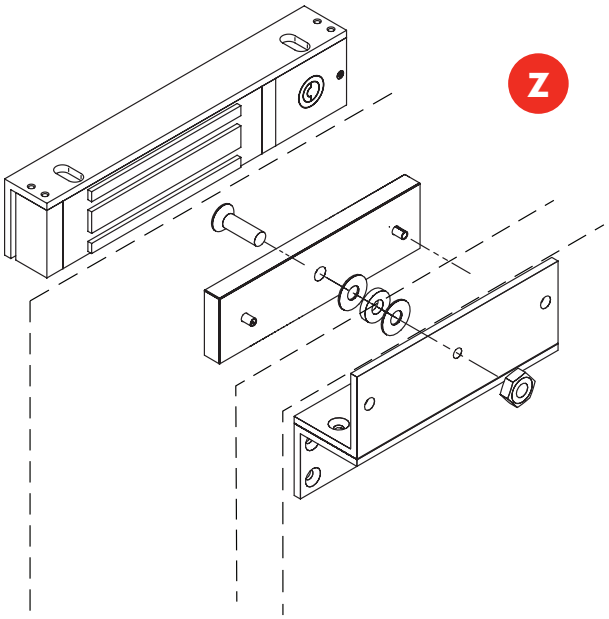


For outward opening doors

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.

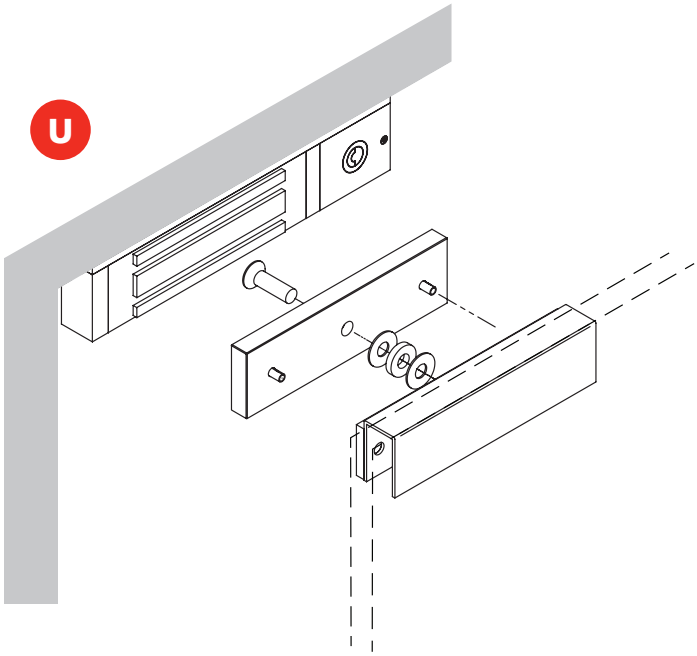
We are going to use the mounting kit for fire doors in order not to lose the RF door certification.



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.

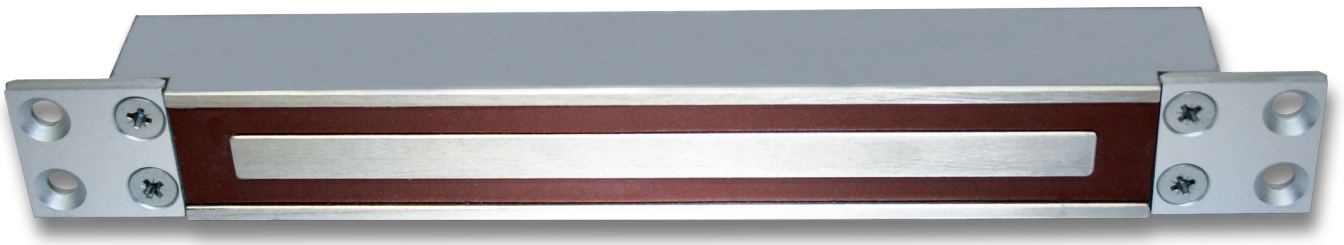


For glass doors

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.

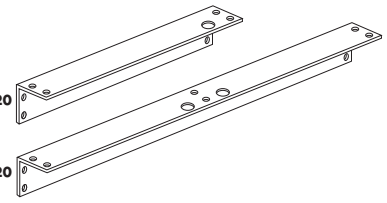
Technical features

- Dual voltage 12/24V DC
- Reed monitoring (open/closed)
- Low power consumption
- Electronic protection
- Guaranteed 3 years

Certification ME 500/510

* IP65 (protected against dust and water)

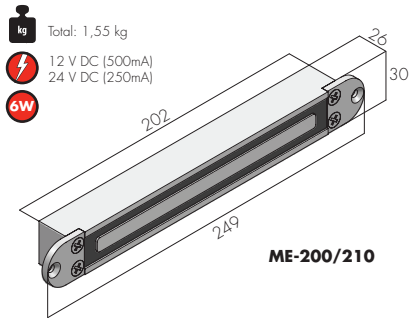
References and features



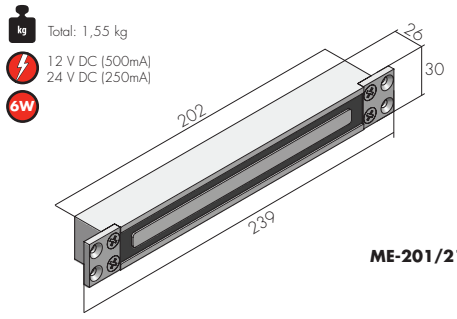
MBE 800 included with ME 400/410/420

MBE 805 included with ME 600/610/620

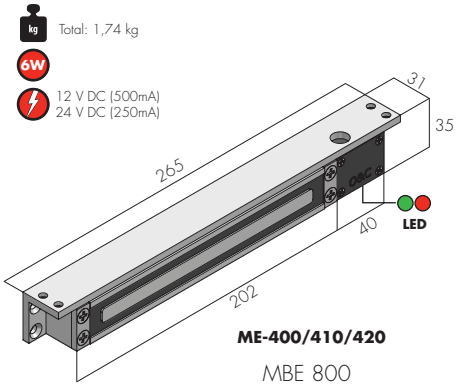
Holding force	Dual voltage 12/24 Vdc	Mortise	Rim	LED	Monitoring	Available brackets for ME series L: MBE 806	L: MBE 807	L: MBE 808	Z: MBA 801 MBA 802	U: MHA 804	Bracket cover L: FSC 821	Bracket cover Z: FSC 822	Mounting kit for fire doors MRF 810	References
2.800 N	●	●												ME 200
2.800 N	●	●												ME 201
2.800 N	●	●			●									ME 210
2.800 N	●	●			●									ME 211
2.800 N	●		●			●			●	●	●	●	●	ME 400
2.800 N	●		●		●	●			●	●	●	●	●	ME 410
2.800 N	●		●	●	●	●			●	●	●	●	●	ME 420
2.500 N	●		●			●		●	●					ME 500
2.500 N	●		●		●	●		●	●					ME 510
2.800 N x 2	●		●				●		●	●	●	●	●	ME 600
2.800 N x 2	●		●		●		●		●	●	●	●	●	ME 610
2.800 N x 2	●		●	●	●		●		●	●	●	●	●	ME 620



ME-200/210

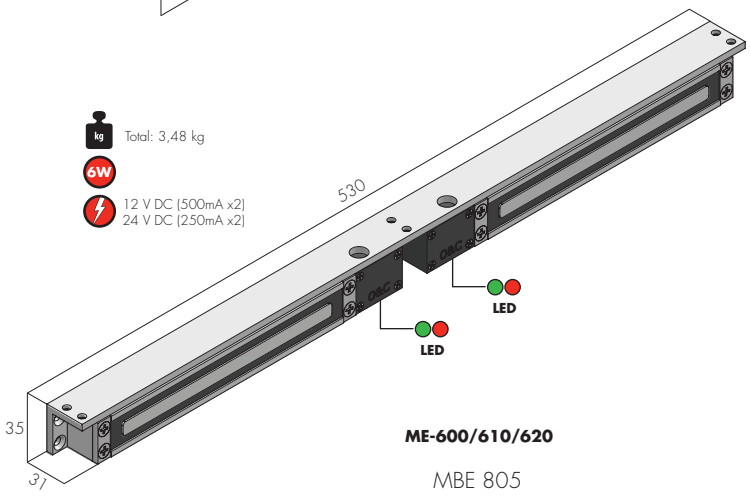


ME-201/211



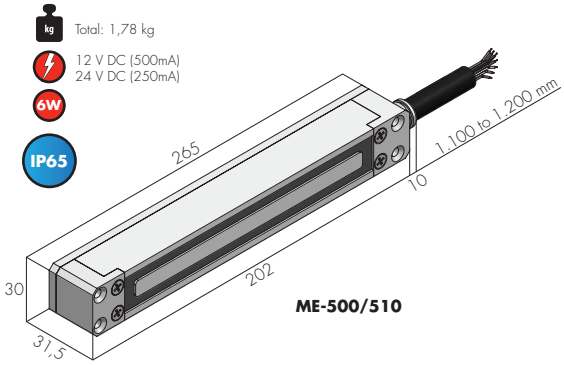
ME-400/410/420

MBE 800
bracket included



ME-600/610/620

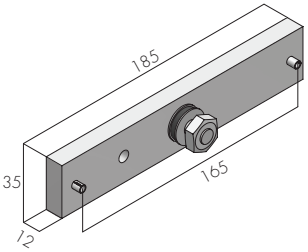
MBE 805
bracket included



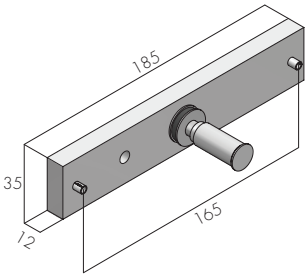
ME-500/510

WATERPROOF

Counterplate mounting kit included



configuration for "Z" installations

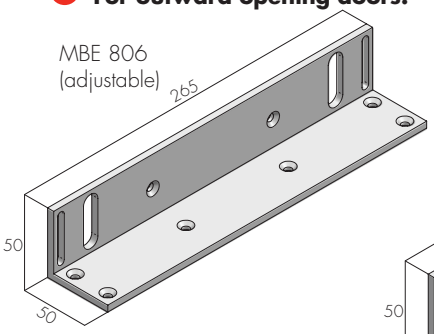


configuration for "L" installations

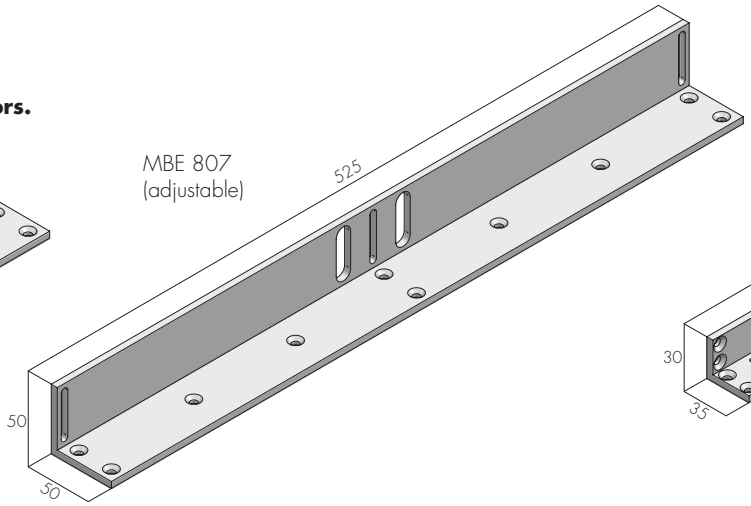
BRACKETS FOR MINI ELECTROMAGNETIC LOCKS

L For outward opening doors.

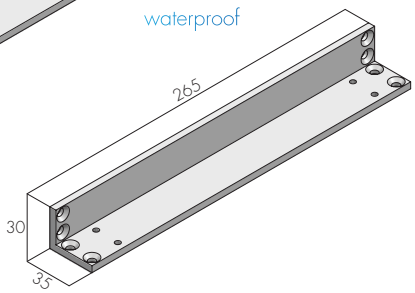
MBE 806
(adjustable)



MBE 807
(adjustable)

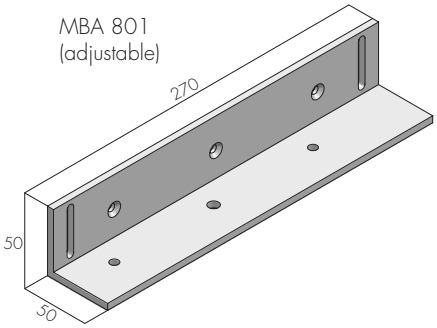


MBE 808
waterproof

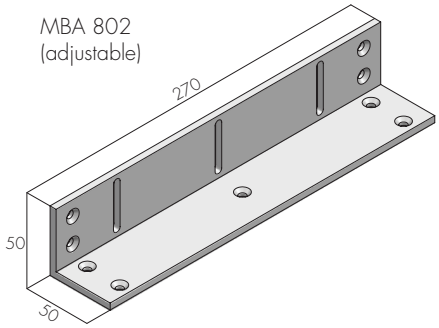


Z For inward opening doors.

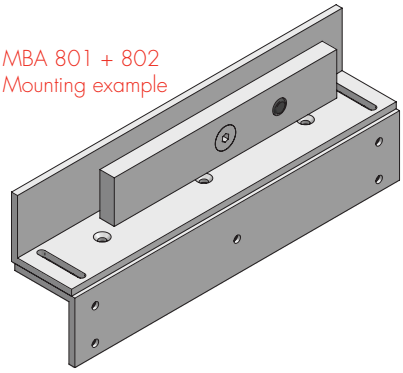
MBA 801
(adjustable)



MBA 802
(adjustable)

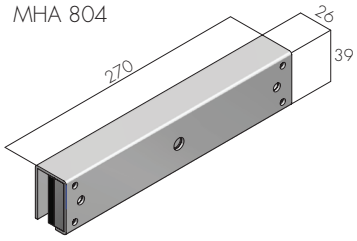


MBA 801 + 802
Mounting example



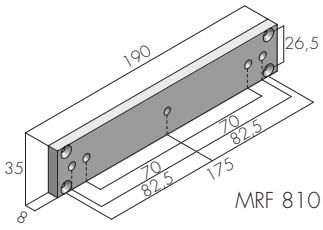
U For glass doors.

MHA 804



Max. glass thickness: 14 mm

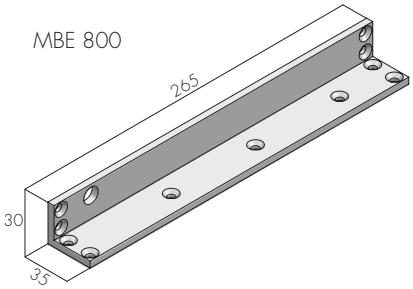
Mounting kit for fire door



MRF 810

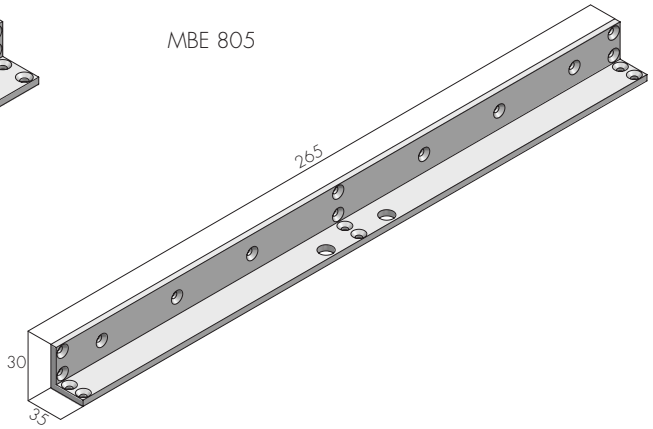
Bracket (included with ME 400/401/420)

MBE 800

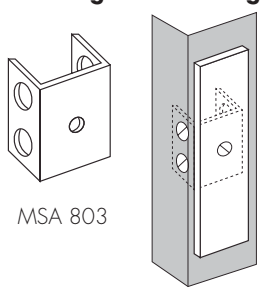


Bracket (included with ME 400/401/420)

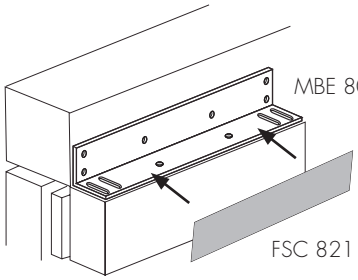
MBE 805



Mounting kit for sliding doors



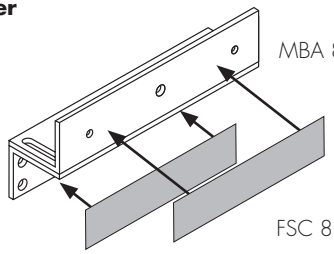
MSA 803



MBE 806 / 807

FSC 821

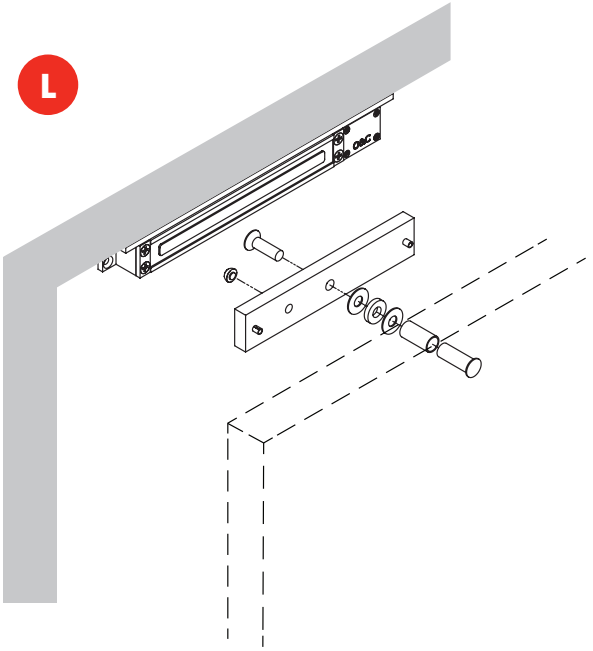
Bracket cover



MBA 801 / 802

FSC 822

MOST COMMON INSTALLATIONS

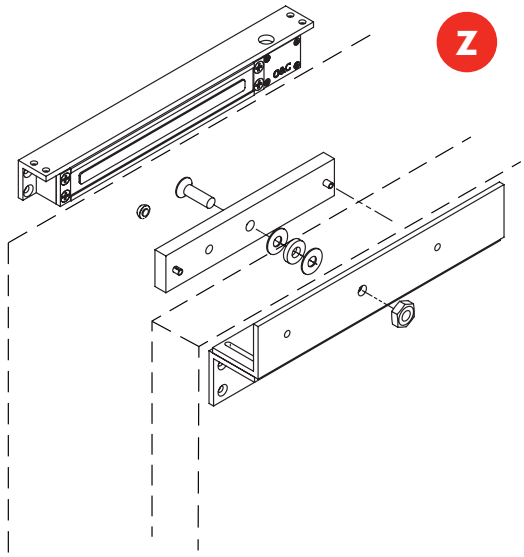


For outward opening doors

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.

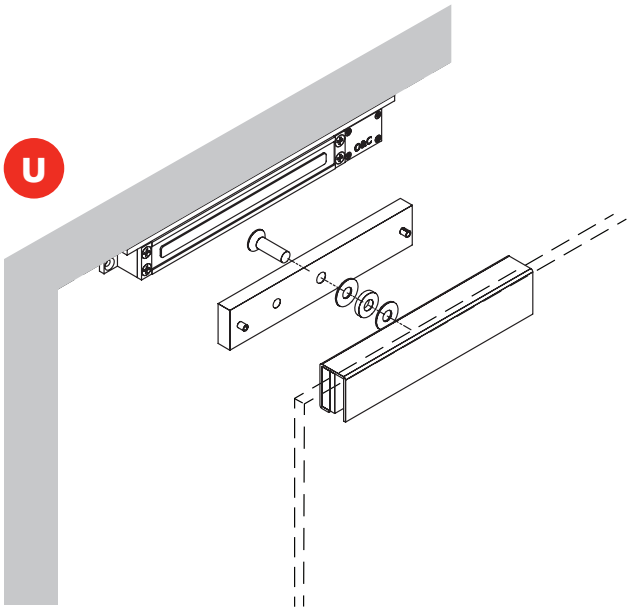
We are going to use the mounting kit for fire doors in order not to lose the RF door certification.



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.

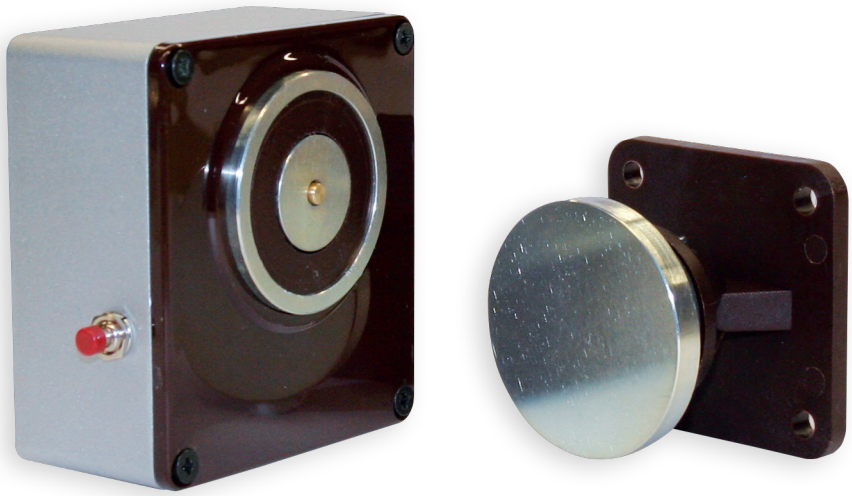


For glass doors

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.

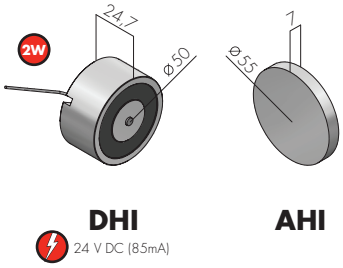
Technical features

- 600 N holding force
- Jumper for voltage switch (on DHB)
- Block diameter: 50 mm
- Ejector pin to overcome residual magnetism
- Manual release button
- Complies with UNE-EN 1155:2003
- Complies with UNE-EN 1670:2007
- Low power consumption
- Guaranteed 3 years

References and features

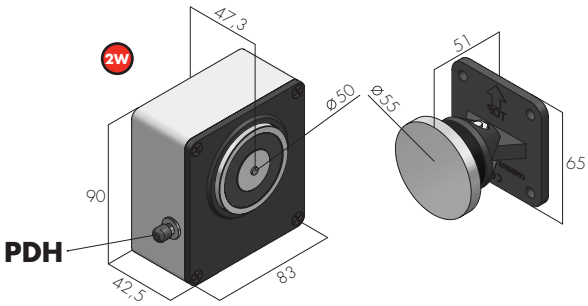
Voltage 24 Vdc	Manual Dual voltage 12/24 Vdc	HOLDING FORCE	Timer 3 sec.	Manual release button	Block	References
●		600 N			50 mm	DHI - Industrial door holder
●		600 N			50 mm	DHS - Basic door holder
	●	600 N		●	50 mm	DHB - Dual voltage door holder
●		600 N	●	●	50 mm	DHT - Door holder with timer
●		300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

Accessories & Spares



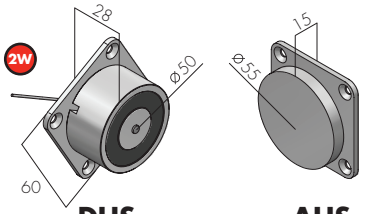
DHI
24 V DC (85mA)

AHI



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

ADH

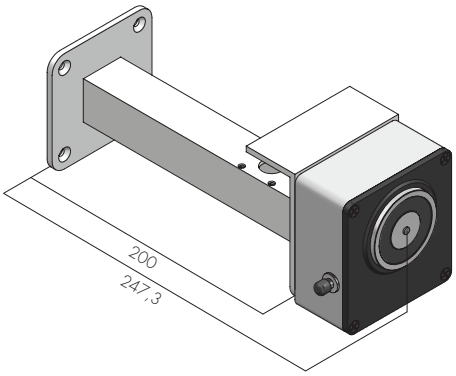


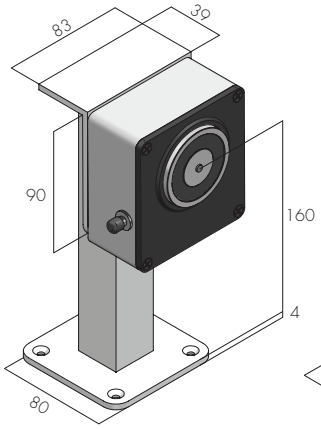
DHS
24 V DC (85mA)

AHS

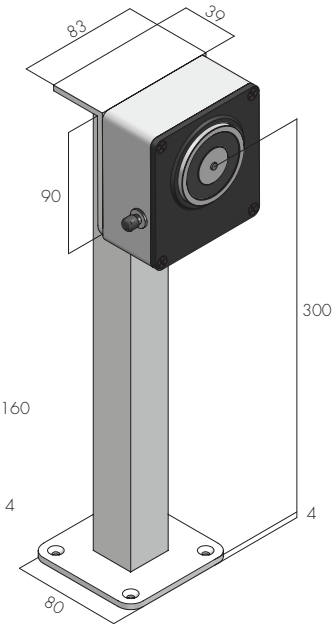
DHT
24 V DC (85mA)

DHD
24 V DC (85mA)





DFS 160



DFS 300

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.

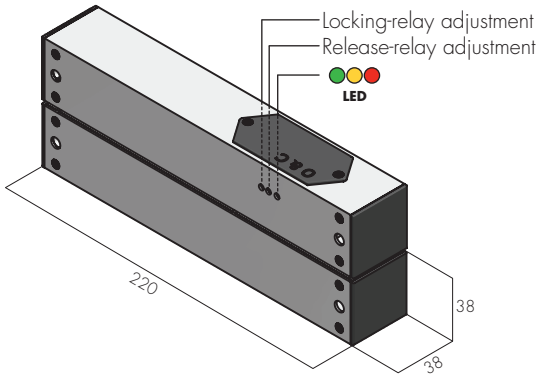
Example of use:

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.

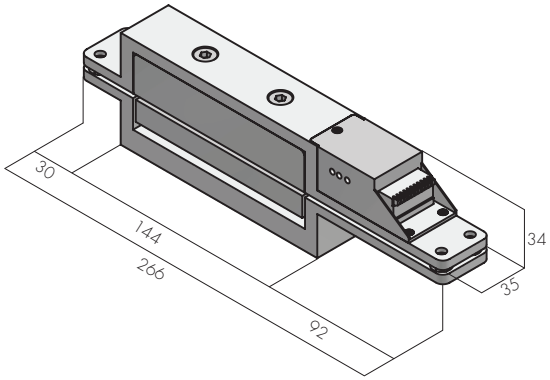
Technical features

- 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 -5 to +60 °C plus 8/10 °C on DC current
- Consumption at 12V DC: 2A (start up) then 0,5A (operating)
- Auxiliary relay: max. 1A at 24V DC
- Guaranteed 3 years

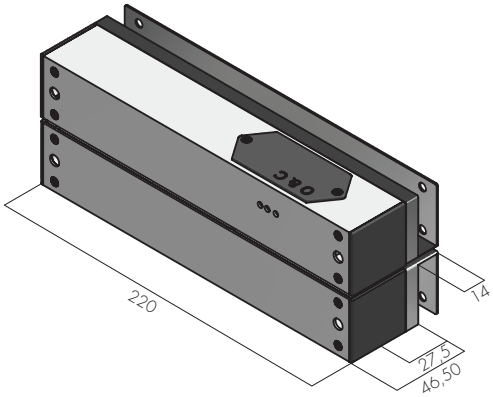
References and features



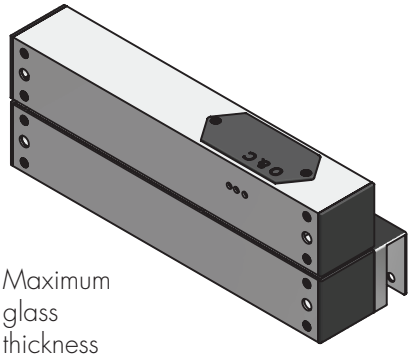
SHEARLOCK SH 100
(rim installation)



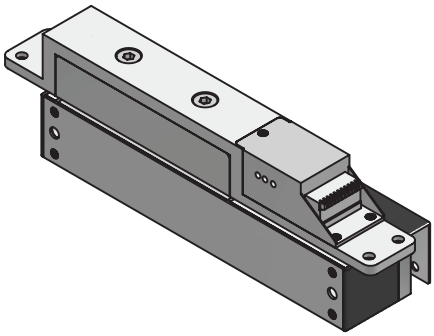
SHEARLOCK SH 200
(mortise installation)



SHEARLOCK SH 300
(glass/glass installation)

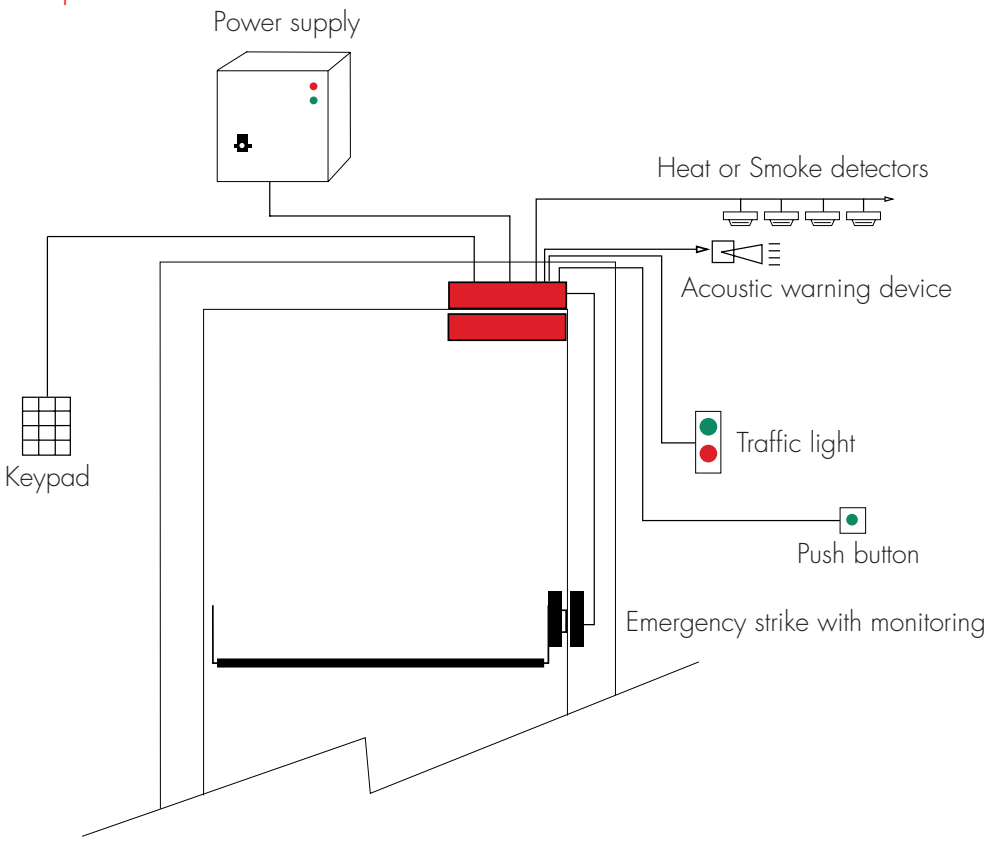


SHEARLOCK SH 400
(rim/glass installation)



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.

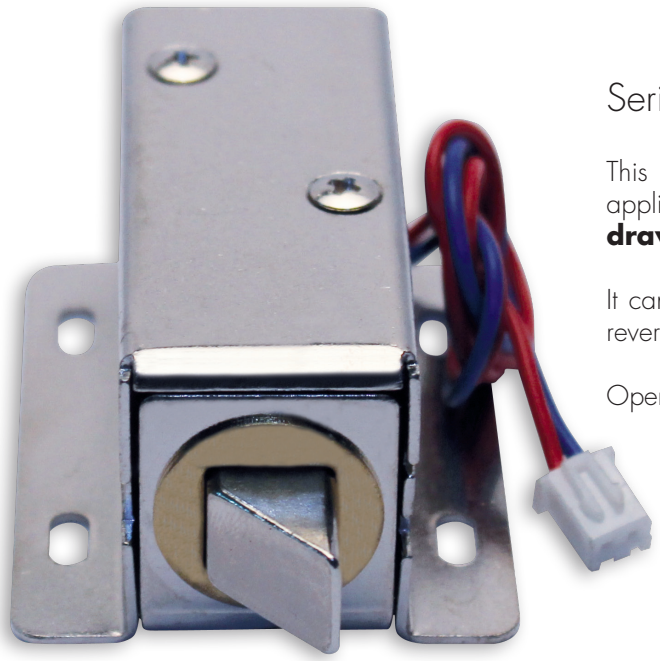
An electric lock is a locking devide which operates by means of electric current. Electric locks are usually connected to an access control system. The advantges of an electric lock connected to an access control system include: key control, where keys can be added and removed without re-keying the lock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

	Voltage 12V DC	Timer 2 to 8s	Magnetic sensor	Acustic alarm (opened door)	Consumption 500mA	Keys	Button	Switch	Knob	References
RIMTOPLOCK	●	●	●	●	●		●		●	**CE 104**
	●	●	●	●	●			●	●	**CE 105**
	●	●	●	●	●				●	**CE 106**
	●	●	●	●	●	●				**CE 109**
					Protecting visor for CE 104/105/106/109					**VCX 100**

		Voltage 12V DC	Mortise	Rim	Glass	Timer	Round bolt	References
BASIC ELECTRIC BOLT	fail-secure	●	●			●	●	**OC 860**
		●	●			●	●	**OC 870**
	fail-safe	●		●		●	●	**OC 880**
		●			●	●	●	**OC 890**

	Voltage 12V DC	Power consumption	Power	Weight	360° Bolt	References
MINI ELECTRIC BOLT	●	650 mA	7,8 W	0,130 Kg	●	**PGX 03**

MINI ELECTRIC BOLT



Series PGX

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

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

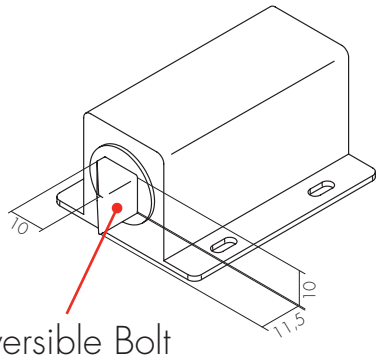
Operating temperature from -20 °C to +40 °C.

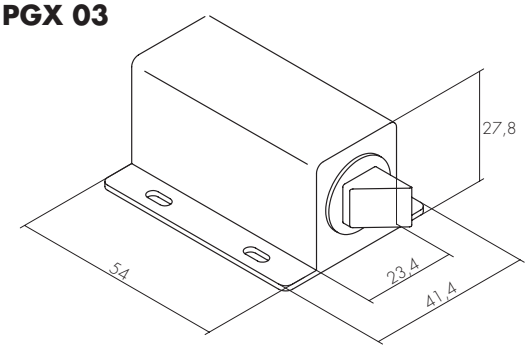
0,130 kg

12 V DC (650mA)

7,8W

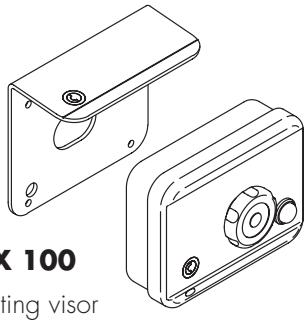
PGX 03





RIMTOPLOCK

Series CE



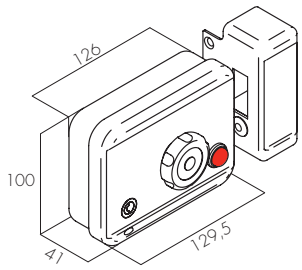
VCX 100

Protecting visor

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.

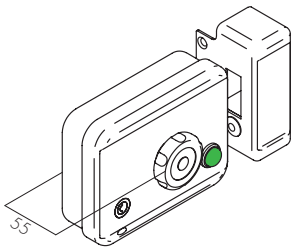
Access from the outside will be granted through access control or keys (3 keys included), while from the inside one can choose among knob, switch, push button and keys. It is usually installed on interior wooden or aluminum doors, but a protecting visor is available for outdoor installations.

	Voltage 12V 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 for CE 104/105/106/109					**VCX 100**



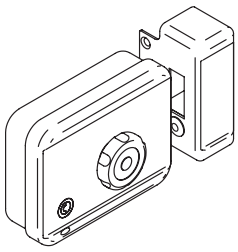
CE - 104

WITH PUSH-BUTTON (temporary unlocking)



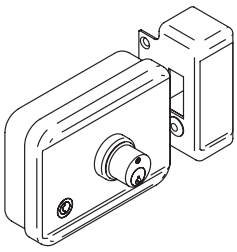
CE - 105

WITH SWITCH-BUTTON (permanent unlocking)



CE - 106

WITH KNOB



CE - 109

WITH KEYS

BASIC ELECTRIC BOLT

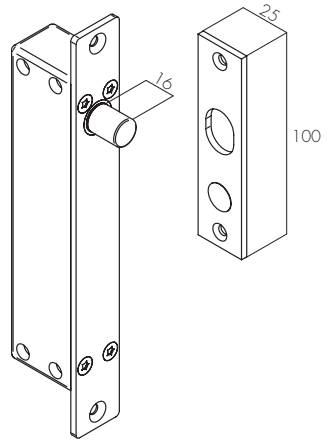
Series OC

This **compact easy-to-install lock** (only 25 mm thick) secures the door through a 17 mm steel bolt which is activated by a solenoid.

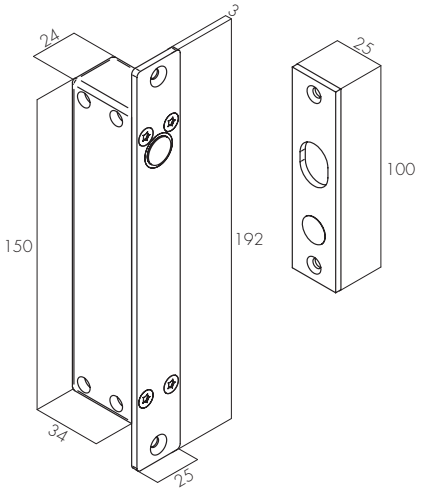
It operates on 12V DC and uses 300mA during start-up and 120mA in stand-by. The gap between the lock body and the plate should be less than 8 mm.

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.

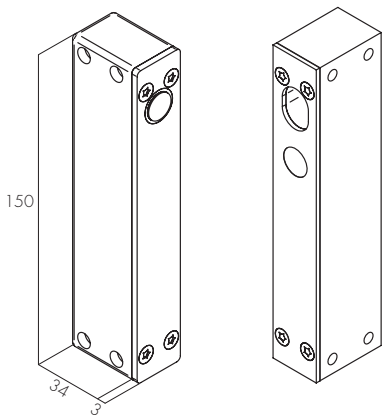
	fail-secure	fail-safe	Mortise	Rim	Glass	Timer	Round bolt	References
BASIC ELECTRIC BOLT	●		●			●	●	**OC 860**
		●	●			●	●	**OC 870**
		●		●		●	●	**OC 880**
		●			●	●	●	**OC 890**



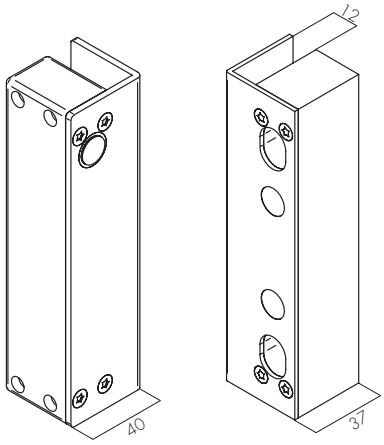
OC 860
Mortise



OC 870
Mortise



OC 880
Rim



OC 890
For glass doors
Maximum glass thickness: 12 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.

	Poles	Max. switching voltage	Max. switching current	References
ELECTRIC CONTACTS	2	24 V ac/dc	1,5 A	**DDC 002**
	4	24 V ac/dc	0,5 A	**DDC 004**

	2 LEDS	Push button	Warning device	mortise installation	rim installation	References
INDICATOR LIGHTS	Red and Green			●	●	**TLX 001**
	Red and Green	●		●	●	**TLP 002**
	Red and Green		●	●	●	**TLB 001**
	Red and Green	●	●	●	●	**TLB 002**

		External diameter	Internal diameter	Finish color	Flex tube lenght	Total lenght	References
DOOR LOOPS	**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**
	Rim	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**
		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**
		2 round terminals for door loops EFX 290/510					**RTFX**

	LED voltage	mortise installation	LED	Sensor	References
EXIT BUTTONS	12 V dc	●	●		**OC 804**
	12 V dc	●	●	●	**OC 806**
KEYPAD	IP45 antivandal keypad				**AC 100**
DUMMIES	Provisional keeper during construction works				**CSR 001**
	Mini door strike without electric function				**CSR 511**

		Input voltage 230 V 50/60Hz	Output voltage	Output current	Power	Battery charge	Battery	Capacity	References
POWER SUPPLIES	**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 A dc	30 W	●			**PS 907**
		●	24 V dc	1,5 A dc	30 W	●			**PS 908**
	AC Current	●	12 V ac	1,5 A ac	18 VA				**PS 903**

	Material	Minimum gap	4 wires	Reed dimensions	Magnet dimensions	Standars Compilance	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 1 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**

ELECTRIC CONTACTS

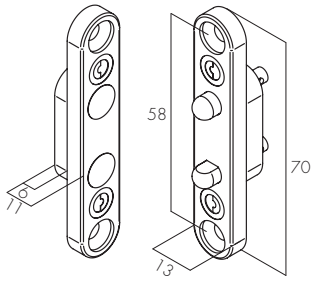
Series DDC

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.

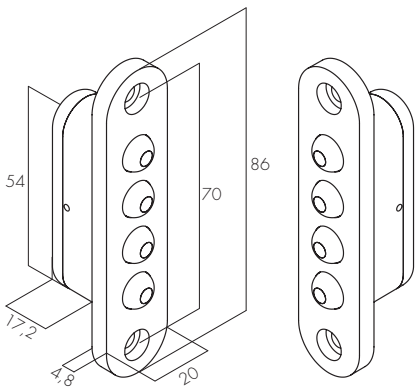
The DDC 004 contact is ideal for permanent connection and on sliding doors. Its four brass poles are silver-plated and the plastic parts are white.

Electrical features and dimensions



DDC 002

Max. switching voltage 24V AC/DC
Max. switching current 1,5 A



DDC 004

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

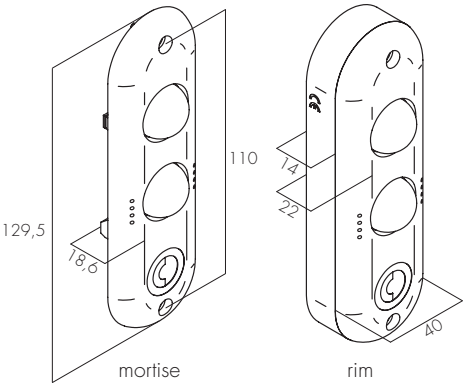
INDICATOR LIGHTS

Series TL

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

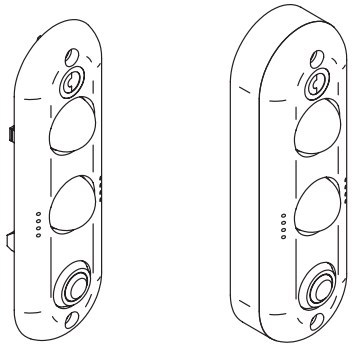
The internal jumper allows the audible warning and the LEDs to operate intermittently. They operate on 10 to 24V AC/DC and their connection is not polarized. They can be either mortised or rim mounted, by simply adding the included plastic box.

2 LEDS	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**



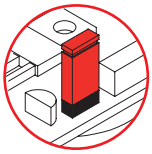
mortise rim

TLB 001
with acoustic warning



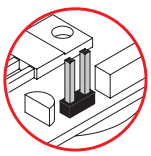
mortise rim

TLB 002
with push button and acoustic warning



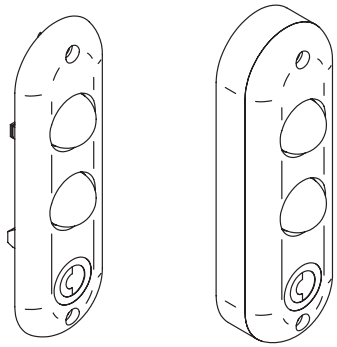
with jumper

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



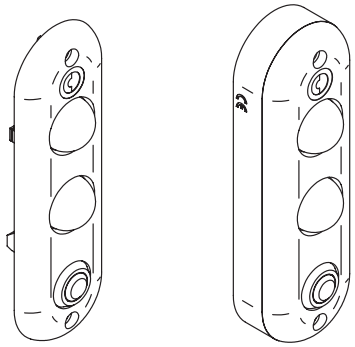
without jumper

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



mortise rim

TLX 001



mortise rim

TLP 002
with push button

Accessories

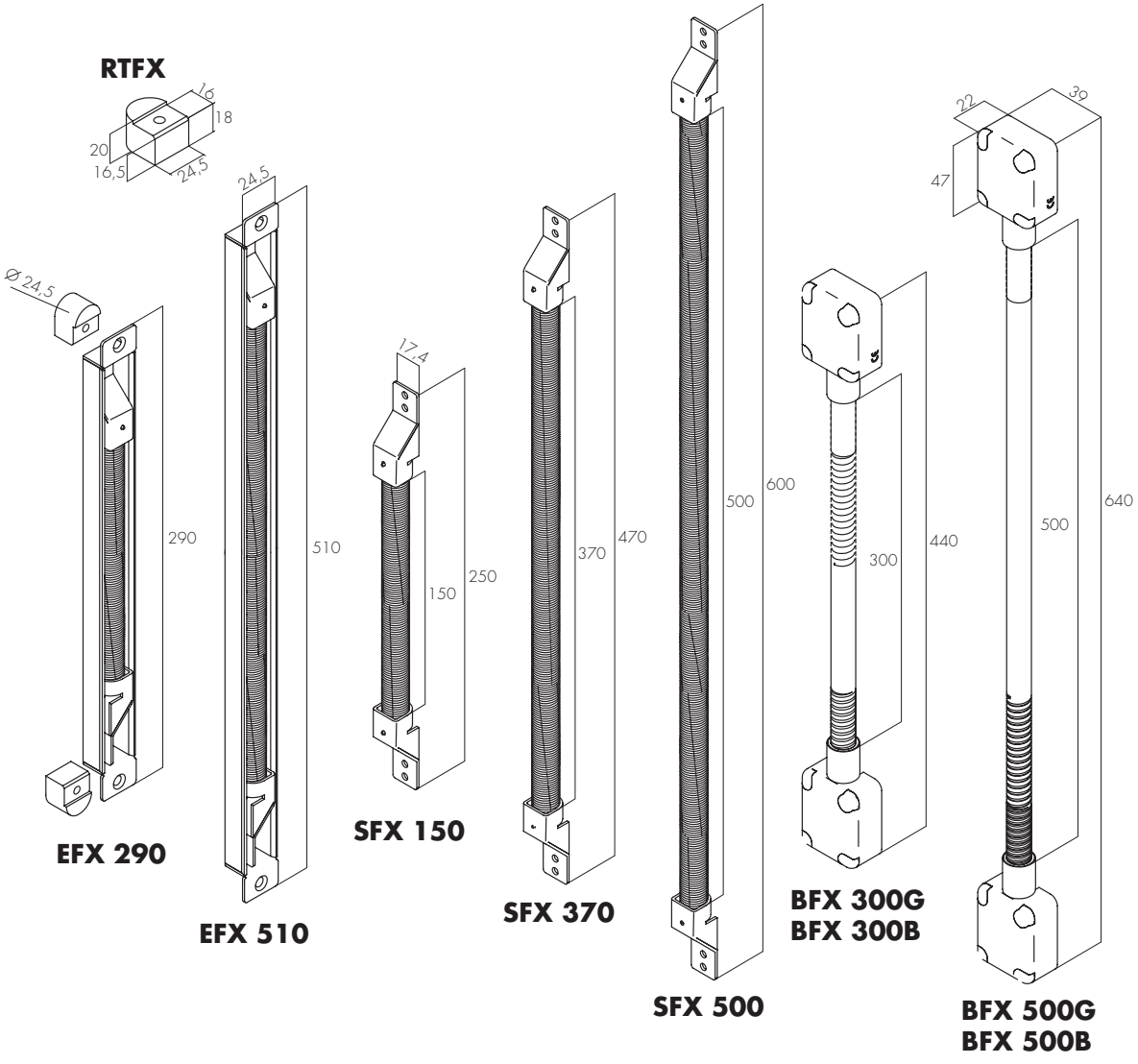
DOOR LOOPS

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 lenght	Total lenght	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**
Rim	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**
	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**



Accessories

KEYPAD

Series AC

AC 100

Voltage 12V AC/DC

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

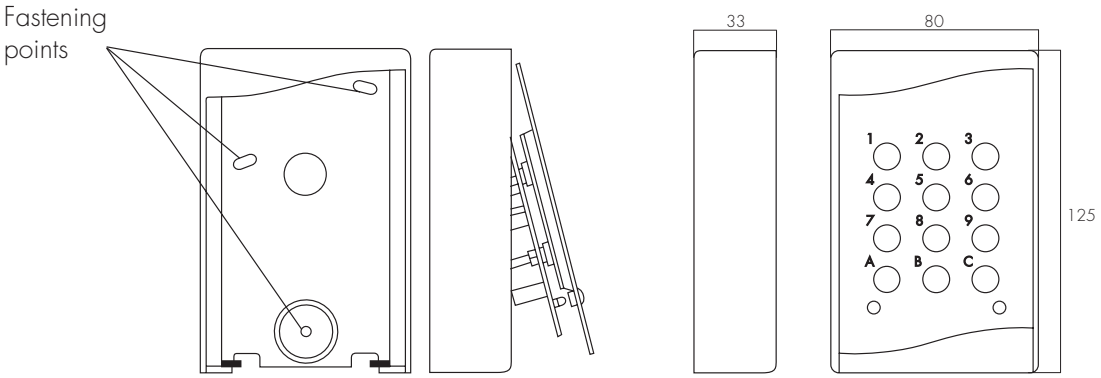
OPENERS & CLOSERS Keypad allows to open two doors from only one terminal, and select two opening functions:

- 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
- Consumption: 0,1A (start-up) 0,02 (stand-by)
- IP45 Certified



DUMMIES

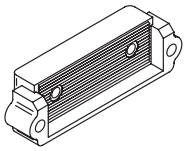
Series CSR

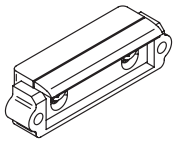
DUMMY KEEPER

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

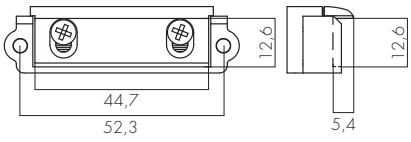
Technical features

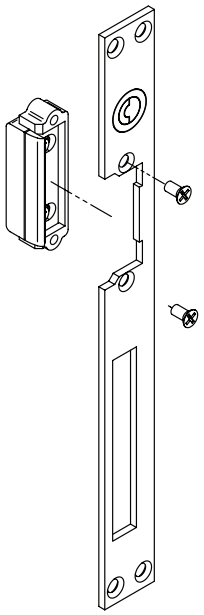
- Fits all faceplates
- 3mm adjustable





CSR 001



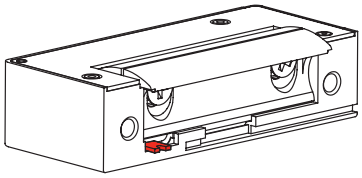


DUMMY STRIKE

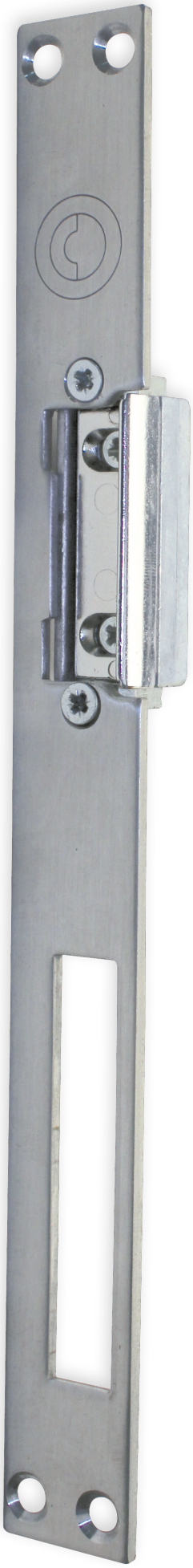
This "Mini" door strike without electric function gives the option to mechanically unlock the door when no access control system is installed.

Technical features

- 3mm adjustable
- Radial keeper
- Mechanical unlocking



CSR 511



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.

LED voltage	mortise installation	LED	Sensor	References
12 V dc	●	●		**OC 804**
12 V dc	●	●	●	**OC 806**

OC 804

Push-Button with LED guidance

Technical features

- Dimensions: 88L x 88H x 20W (mm)
- Current rating: 3A at 36V DC Max
- Output contact: NO/NC/COM
- Operating temperature: 10 °C / +55 °C
- Suitable Humidity: 0 - 95% (relative humidity)
- Weight: 0,15 kg

OC 806

Infrared Sensor Button

Technical features

- Dimensions: 86L x 86H x 29W (mm)
- Contact rating: 3A at 12V DC
- Output contact: NO/NC/COM
- 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)
- Weight: 0,148 kg

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 12V 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.

PS 903

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.

	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 A dc	30 W	●			PS 907*
	●	24 V dc	1,5 A dc	30 W	●			PS 908*
AC current	●	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 1 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**

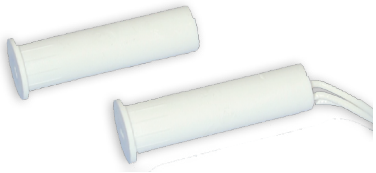
Reed Features		
	Maximum voltage	200V DC
	Maximum current	500 mA
	Maximum power	10VA
	Initial contact resistance	R=0,1 Ω
	Insulation resistance	$R=10^{12}$ Ω
	Operating temperature	-40 °C / +125 °C
	MTBF Number of operations	10^{8}

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.

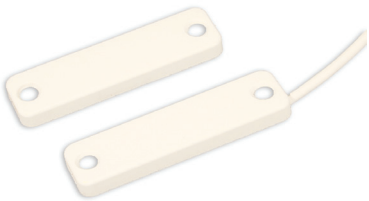
CMI 122

Magnetic contact for **mortise** mounting on iron doors. White, resistent 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.

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O&C | C/Cortit, 10 | 08027 Barcelona | T. 93 408 05 15 | F. 93 351 31 43 | export@openers-closers.com | www.openers-closers.com