

# Electromechanical devices

TESA

ASSA ABLOY



# Leading the market of opening solutions



TESA is complementing its catalogue with a wide range of Electric Strikes, Electromagnetic Locks and Electromechanical Locks in order to ensure the highest level of active security,

not forgetting those passive security features that vary depending on each chosen product: monitoring of the door status, placement of the lever, handle status, cylinder status...

### Opening and locking: safety and reliability

A Residence, a Bank Office, a R+D Department or a Chemist's Shop: in some places, Security has become a top priority. The security level afforded by TESA's Electromechanical Devices meets the most demanding standards, going further than most traditional mechanical systems in many aspects, while adding peerless advantages in terms of user-friendliness and passive security.



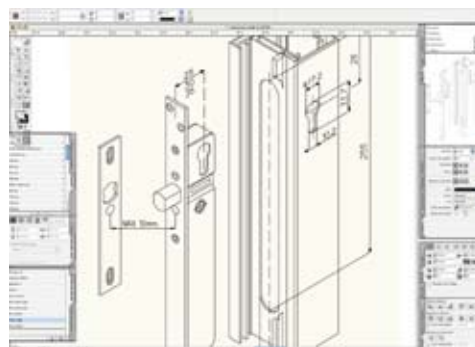
### Make your choice

Each specific place has its own security demands, which is why TESA's electromechanical devices can adapt to each installation's particular needs. Depending on these, choices will vary in terms of technology and complexity: from the simplicity of the CEL electric strike for traffic control in internal doors to the complexity of the motorized electromechanical lock, which combines the best security and user-friendliness available in the market



### The latest technology, above all

TESA's Electromechanical Devices are always at the forefront of the latest technologic developments. Continuous improvements and permanent optimizing guarantee the quality of our products, reinforcing our aim of keeping a range of products capable of meeting always our customer's requirements.



### Guaranteed products

TESA can guarantee the perfect functioning of its electromechanical parts, as long as they are employed according to current standards and they have been installed according to the accompanying instructions. The installation will always be performed by qualified staff, and the handling of the product demands that certain minimum security measures are observed. The set-up of any kind of electric installation must always be performed following the advice of current standards for workplace risk prevention.



## We offer an integral locking solution

In order to install an electromechanical solution in a door, we need: a door closer that ensures that the door reaches the "closed" position before being blocked, a cylinder that allows the mechanical opening of the door, and an exit panic device that ensures an emergency exit. For this reason, **TESA** brings you the widest range of locking products for the complete installation of a door.



## Fail secure, fail safe

Sometimes it's just as important a solid closing as an easy exit, which is why our electromechanical solutions haven't just been conceived for closing doors – they can also be extremely useful when installing electrically controlled exit ways. Electromechanical devices have been conceived basically for operating according to Fail Secure logic, that is, if power supply fails the door must remain locked solid. But we may also find situations in which it's vital to ensure the correct evacuation of the premises through a door we may wish to control electrically. In these cases we will use Fail Safe locks: if power supply fails, the door will open wide. We will then generically use Electromagnetic Locks, even if in some cases we may choose Electromechanical Locks or Electric Strikes in reverse operation mode.



## Electromechanical solutions are, first and foremost, mechanical.

Although mechanical solutions don't always offer the desired security or versatility levels when equipping a door, strictly electrical solutions can be regarded with suspicion, as is the case when locks depend on power supply for their proper operation. Except for electromagnetic locks, electromechanical locking devices are essentially mechanical elements (levers, latches); therefore, intrusion resistance can be as high as that of **TESA's** mechanical locks.



# Visual index



Electric strikes  
Page 6



Electromechanical locks  
Page 11



Electromagnetic locks  
Page 15



Input devices  
Page 18



Key switches  
Page 20



Accessories  
Page 21

# Mortise Electric Strikes. Standard

## Mechanical features

- » Reversible
- » Break-in resistance: 3430N
- » Dimensions: 75.4 \* 28 \* 21 mm.
- » Stainless Steel front or glazed in brown
- » Deadlocking tab for latch with 3mm side regulation

## Electrical features

- » Standard coil 12Vac and Fail secure function.
- » Current consumption: 440mA (12Vac)/ 650mA (12Vdc)

## Control functions

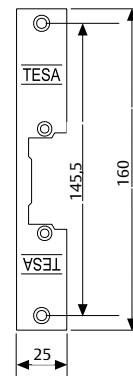
- » NORMAL: It allows door opening while coil operating time.
- » AUTOMATIC: The door is opened with a single pulse, the door is again locked when someone enters and the device on the latch returns to its locked position.
- » NORMAL with manual UNLOCKING: It has a lever for manual unlocking.

## Short face plate

### Application

- » Main door locks: 2219 and 2039
- » Passage function locks: 2015, 2035, 135, 2215 and knobs.
- » Especial electric consitions availabe on request. Direct current, fail safe and fail secure function.
- » Available with especial coil 24V (ac or dc).

| Function                  | Finish          | Model     |
|---------------------------|-----------------|-----------|
| Normal                    | Stainless steel | CERNORCIN |
| Normal with unblocking    | Stainless steel | CERNODCIN |
| Automatic                 | Stainless steel | CERAUTCIN |
| Automatic with unblocking | Stainless steel | CERAUDCIN |

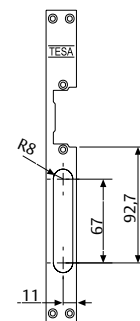


## Long face plate. Wooden doors

### Application

Bolt locks: 100B, R200B, TLB, CANB

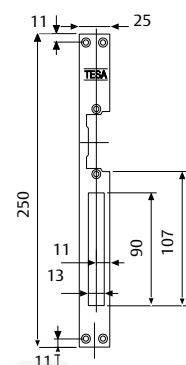
| Function                  | Finish          | Model     |
|---------------------------|-----------------|-----------|
| Normal                    | AE              | CERNORBUE |
| Normal with unblocking    | AE              | CERNODBUE |
| Automatic                 | AE              | CERAUTBUE |
| Automatic with unblocking | AE              | CERAUBUE  |
| Normal                    | Stainless steel | CERNORBUI |
| Normal with unblocking    | Stainless steel | CERNODBUI |
| Automatic                 | Stainless steel | CERAUTBUI |
| Automatic with unblocking | Stainless steel | CERAUBUI  |



### Application

Slide Action Lever Locks: 2010, 130, 2030, R200N, TLP

| Function                  | Finish          | Model     |
|---------------------------|-----------------|-----------|
| Normal                    | AE              | CERNORLCE |
| Normal with unblocking    | AE              | CERNODLCE |
| Automatic                 | AE              | CERAUTLCE |
| Automatic with unblocking | AE              | CERAUDLCE |
| Normal                    | Stainless steel | CERNORLCI |
| Normal with unblocking    | Stainless steel | CERNODLCI |
| Automatic                 | Stainless steel | CERNODLCI |
| Automatic with unblocking | Stainless steel | CERAUDLCI |



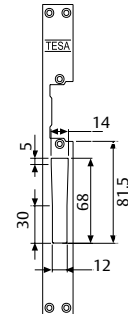
# Mortise Electric Strikes. Standard

## Long face plate. Metallic doors

### Application

Swinging Lever Locks: 2210B, 2230.

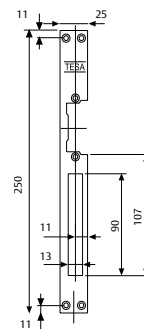
| Function                  | Finish          | Model     |
|---------------------------|-----------------|-----------|
| Normal                    | Stainless steel | CERNORLBI |
| Normal with unblocking    | Stainless steel | CERNODLBI |
| Automatic                 | Stainless steel | CERAUTLBI |
| Automatic with unblocking | Stainless steel | CERAUDLBI |



### Application

Slide Action Lever Locks: 2210.

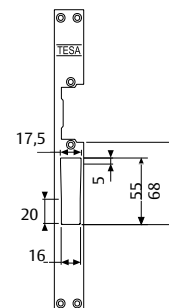
| Function                  | Finish          | Model     |
|---------------------------|-----------------|-----------|
| Normal                    | Stainless steel | CERNORLCI |
| Normal with unblocking    | Stainless steel | CERNODLCI |
| Automatic                 | Stainless steel | CERAUTLCI |
| Automatic with unblocking | Stainless steel | CERAUDLCI |



### Application

Hook Bolt Locks: 2240, 2230L, 2230P.

| Function                  | Finish          | Model     |
|---------------------------|-----------------|-----------|
| Normal                    | Stainless steel | CERNORLGI |
| Normal with unblocking    | Stainless steel | CERNODLGI |
| Automatic                 | Stainless steel | CERAUTLGI |
| Automatic with unblocking | Stainless steel | CERAUDLGI |



# Mortise electric strikes for thermal break aluminium stiles

These are the most complete electric strikes of the market allowing a solution for many applications. The case is radial, symmetric reversible and only 16,5mm thick with "Flex".

The radial system is provided with special keeper which rotates on a displaced axis making shorter the opening perimeter of the keeper movement. This enables an easier installation.

## Mechanical features

- » Reversible
- » Break-in resistance: 2500N
- » Dimensions: 67 x 28 x 16.5 mm.
- » Stainless Steel front or glazed in brown
- » Deadlocking tab for latch with 3mm side regulation

## Electrical features

- » Standard coil 12Vac and Fail secure function.
- » Current consumption: 440mA (12Vac)/ 650mA (12Vdc)
- » Especial electric conditions available on request. Direct current, fail safe and fail secure function.
- » Available with especial coil 24V (ac or dc).

## Control functions

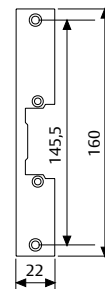
- » NORMAL: It allows door opening while coil operating time.
- » AUTOMATIC: The door is opened with a single pulse, the door is again locked when someone enters and the device on the latch returns to its locked position.
- » NORMAL with manual UNLOCKING: It has a lever for manual unlocking.

## Short face plate

### Application

- » Main door locks: 2219 and 2039
- » Passage function locks: 2015, 2035, 135, 2215 and knobs.

| Función                   | Finish          | Model     |
|---------------------------|-----------------|-----------|
| Normal                    | Stainless steel | CESNORCIN |
| Normal with unblocking    | Stainless steel | CESNODCIN |
| Automatic                 | Stainless steel | CESAUTCIN |
| Automatic with unblocking | Stainless steel | CESAUDCIN |

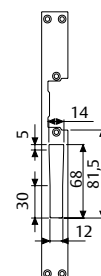


## Long face plate

### Application

- » Main entrance doors: with 2219 and 2039 locks
- » Passage function locks: 2015, 2035, 135, 2215 and knobsets.

| Función                   | Finish          | Model     |
|---------------------------|-----------------|-----------|
| Normal                    | Stainless steel | CESNORLBI |
| Normal with unblocking    | Stainless steel | CESNODLBI |
| Automatic                 | Stainless steel | CESAUTLBI |
| Automatic with unblocking | Stainless steel | CESAUDLBI |



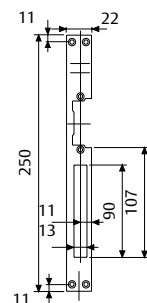
# Mortise electric strikes for thermal break aluminium stiles

## Short face plate

### Application

Slide Action Lever Locks: 2210.

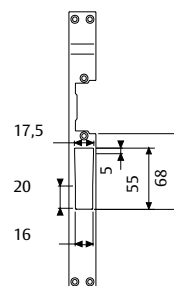
| Function                  | Finish          | Model     |
|---------------------------|-----------------|-----------|
| Normal                    | Stainless steel | CESNORLCI |
| Normal with unblocking    | Stainless steel | CESNODLCI |
| Automatic                 | Stainless steel | CESAUTLCI |
| Automatic with unblocking | Stainless steel | CESAUDLCI |



### Application

Locks with hook bolt: 2240, 2230L, 2230P.

| Function                  | Finish          | Model     |
|---------------------------|-----------------|-----------|
| Normal                    | Stainless steel | CESNORLGI |
| Normal with unblocking    | Stainless steel | CESNODLGI |
| Automatic                 | Stainless steel | CESAUTLGI |
| Automatic with unblocking | Stainless steel | CESAUDLGI |



# Electric strikes for especial applications

## Rim electric strikes

### Application

- » They are a perfect choice for these cases where an access control is needed in a panic exit door. These electric strikes are totally adaptable to the panic exit bars.

### Mechanical features

- » Reversible surface
- » Housing: Black colour (available in GREY and Inox)
- » Tab material: Steel
- » Tab shape: Concave tab. Or Plane and flexible tab
- » Resistance: 6000N (Concave tab) / 7850N (Plane flexible tab)

### Electrical features

- » Voltage: 12Vac or 12Vdc
- » Available with especial coil 24V (ac or dc)
- » Fail safe function available on request



### Control functions

- » NORMAL: It allows door opening while coil operating time.
- » AUTOMATIC: The door is opened with a single pulse, the door is again locked when someone enters and the device on the latch returns to its locked position.
- » Manual unlocking lever available on request (only for models with plane tab)

| Model      | Function |           | Tab     |       | Voltage |       |
|------------|----------|-----------|---------|-------|---------|-------|
|            | Normal   | Automatic | Concave | plane | 12Vac   | 12Vdc |
| CELAUTPAC  |          | •         | •       |       |         | •     |
| CELAUTPAD  |          | •         |         | •     | •       |       |
| CELAUTPADC |          | •         |         | •     |         | •     |
| CELAUTPAN  |          | •         | •       |       | •       |       |
| CELNORPAC  | •        |           | •       |       | •       |       |
| CELNORPAD  | •        |           |         | •     |         | •     |
| CELNORPADC | •        |           |         | •     |         | •     |
| CELNORPAN  | •        |           | •       |       | •       |       |

## Electric strike EI-120

### Application

This electrical strike is suitable for fire proof doors. Its high strength makes it suitable also for applications which require greater security.



### Standard

It has surpassed the "test of fire resistance" according to the UNE-EN 1634-1: 2000, witch also classifies like EI-120.

### Mechanical features

- » Reversible
- » Symmetrical
- » Steel tab
- » Break in resistance: 7850N
- » Dimensions: 75.4 x 28 x 21mm.

### Control function

It is supplied with the normal function so it allows door opening while coil operating time. It has the fail secure function which means that it needs power to unlock. (In case of power failure the door remains blocked and thereby it maintains its fire resistance function).



| Model      | Faceplate                 |
|------------|---------------------------|
| CELCARNORF | -                         |
| CERNORCINF | Short                     |
| CERNORBUIF | Long for round bolt locks |

# Electromechanical locks

## Automatic locks + electric strike

### TCP Serie

#### Operation

- » The slide action lever projects automatically
- » The door is always closed by default.
- » When the strike is powered with the slide action lever retracts and the door gets unlocked.
- » Always is possible mechanical opening by cylinder or inside handle.

#### Mechanical features

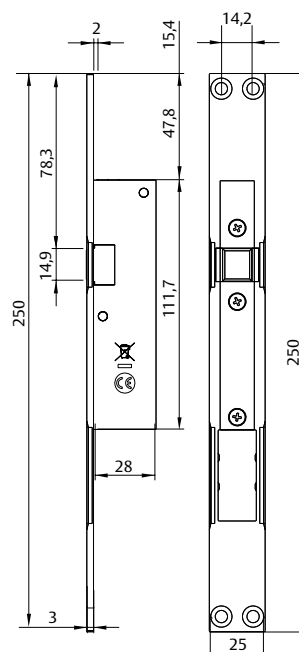
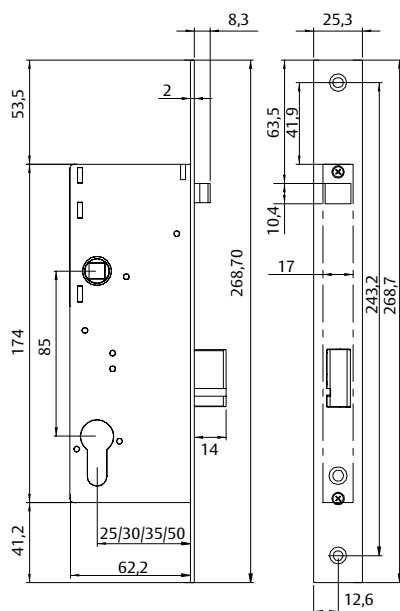
- » Slide action lever: 14mm
- » Distance between axes: 85mm.
- » Follower: 8mm
- » Available backsets: 25/30/35/50mm.
- » Stainless steel electric strike and faceplates

#### Electrical features

- » Voltage: 12Vdc / 12Vac (Auto)



| Model | Backset |
|-------|---------|
| TCP25 | 25mm.   |
| TCP30 | 30mm.   |
| TCP35 | 35mm.   |
| TCP50 | 50mm.   |



# Electromechanical locks

## Dropbolt locks

### Operation

- » Opening by electric signal
- » Key opening is always possible
- » Models with handle function are available
- » Cascade connection possibility
- » Adjustable automatic closure

### Mechanical features

- » Housing: Niquel plated steel
- » Front: Chrome- plated brass
- » Striker plate: Stainless Steel
- » Bolt: models with cylindrical or latch bolt.  
Cylindrical bolt: 20mm de longitud y 18mm de diámetro  
Latch bolt: 16,5 + 5mm de lenght and 18mm diameter
- » Available backsets: 25 / 30 / 35mm.
- » Distance between axes: 85mm.
- » Follower: 8mm.

### Electrical features

- » Voltage 12Vdc/24Vdc (Auto)
- » Maintenance current : 250mA a 12Vdc /180mA a 24Vdc
- » Pick up current: 3A at 12Vdc / 1,5A at 24Vdc (for 200mseg.)



Model WITHOUT handle function



Model WITH handle function

| Model    | Cylindrical bolt | Latch bolt | Fail secure | Fail safe | Andel function | Backset |
|----------|------------------|------------|-------------|-----------|----------------|---------|
| 55036.25 | •                |            |             | •         |                | 25mm.   |
| 55036.30 | •                |            |             | •         |                | 30mm.   |
| 55036.25 | •                |            |             | •         |                | 35mm.   |
| 55038.25 | •                |            | •           |           |                | 25mm.   |
| 55038.30 | •                |            | •           |           |                | 30mm.   |
| 55038.35 | •                |            | •           |           |                | 35mm.   |
| 55039.25 |                  | •          | •           |           |                | 25mm.   |
| 55039.30 |                  | •          | •           |           |                | 30mm.   |
| 55039.35 |                  | •          | •           |           |                | 35mm.   |
| 55040.25 |                  | •          |             | •         |                | 25mm.   |
| 55040.30 |                  | •          |             | •         |                | 30mm.   |
| 55040.35 |                  | •          |             | •         |                | 35mm.   |
| 5703625  | •                |            |             | •         | •              | 25mm.   |
| 5703825  | •                |            | •           |           | •              | 25mm.   |
| 5703925  |                  | •          | •           |           | •              | 25mm.   |

# Electromechanical locks

## CF60 serie

### Mechanical features

- » Latch bolt
- » Distance between axes: 72mm.
- » Follower: 9mm.
- » Backset: 65mm.

### Electrical features

- » Voltage: 12Vdc/24Vdc
- » Pick up current: 550mA(12Vdc)/ 270mA(24Vdc)
- » Maintenance current: 240mA (12Vdc)/ 110mA(24Vdc)

### Certification

CE mark, according UNE-EN12209 & UNE-EN1125

| Modelo         | Función interior | Acabado    |
|----------------|------------------|------------|
| CF6SNPTRSR9ICE | No Antipánico    | Inoxidable |
| CF6SNPTRSR9ZCE | No Antipánico    | Zincado    |
| CF6S TRSR9 ICE | Antipánico       | Inoxidable |
| CF6STRSR9ZCE   | Antipánico       | Zincado    |



### CF with solenoid with panic function

#### Operation

- » Locking the cylinder, the external follower of the lock gets locked and the door can not be opened. However, as it is a panic lock, the door can always be open from inside by activating the lever or the panic exit device.
- » With electric signal, the electro switch clutches the inner mechanism of the lock allowing the door to be opened from outside operating the lever.
- » When the signal disappears, the lock becomes locked again from outside.

### CF with solenoid without panic function

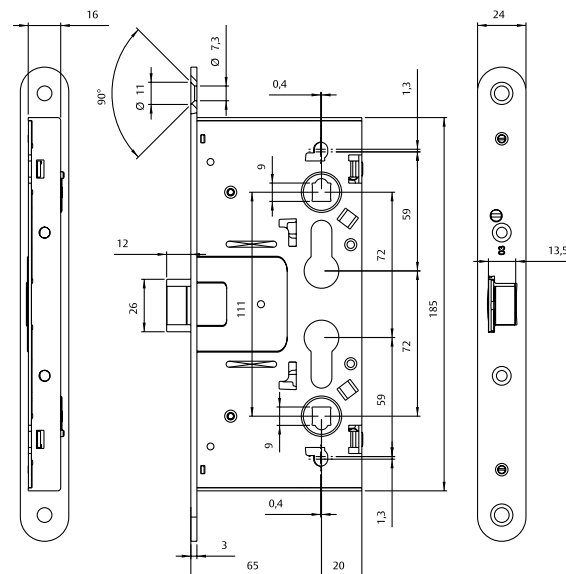
#### Operation

- » Locking the cylinder, the lock gets blocked and the door can not be opened, neither from inside nor from outside.
- » With an electric signal, the electro switch clutches the inner mechanism of the lock allowing the door to be opened from inside and outside operating the lever.
- » When the signal disappears, the lock becomes blocked again.

### Certification

- » CE mark, according UNE-EN12209

### General dimensions



# Electromechanical locks

## STEP. Rim electric lock

### Operation

- » From outside and inside:
- » With key or electric signal

### Mechanical features

- » Reversible,
- » Backset: 65mm.
- » Adjustable external cylinder, TE5
- » Round profile cylinder, 25mm keyhole required
- » Adjustable external cylinder for doors with a maximum thickness of 75mm.

### Electrical features

- » Voltage 12 VAC

### Model

- » STEP24RTEPL



# Rim electromagnetic locks

## Features

- » Reversible
- » Fail Safe. Unlocked with no power.
- » Silent operation
- » Tractive force

## Standard range

- » Aluminium housing
- » Suitable and adaptable to all types of doors. (accessories available)

### Single leaf doors



### Double leaf doors



| Model      | Holding force | Voltaje                    | Consumption                   | Hall sensor | Door position sensor |
|------------|---------------|----------------------------|-------------------------------|-------------|----------------------|
| CEM300SS0F | 272Kg         | 12-24 Vdc<br>Selectionable | 500mA (12Vdc) / 250mA (24Vdc) | •           |                      |
| CEM300SS0G | 272Kg         |                            | 460mA (12Vdc) / 230mA (24Vdc) | •           | •                    |
| CEM600SS0F | 545Kg         |                            | 500mA (12Vdc) / 250mA (24Vdc) | •           |                      |
| CEM600SS0G | 545kKg        |                            | 520mA (12Vdc) / 260mA (24Vdc) | •           | •                    |
| CEM600SS0F | 2*545Kg       |                            | 1A (12Vdc) / 500mA (24Vdc)    | •           |                      |
| CEM600SS0G | 2*545kKg      |                            | 1,04A (12Vdc) / 520mA (24Vdc) | •           | •                    |

## High range

- » Stainless steel housing hermetically sealed which ensures absolutely reliable outdoor installation.
- » The coil is run manually with ultra-thin wire what makes the lock gets Effective induction of electromagnetic field without residual magnetism.
- » Low power consumption. Excepcional durability.
- » Suitable for glass doors (accessories available).



| Model     | Holding force | Voltaje             | Consumption                   | Hall sensor | Door position sensor |
|-----------|---------------|---------------------|-------------------------------|-------------|----------------------|
| SCGG030SS | 272 Kg        | 12-24 Vdc<br>(Auto) | 300mA (12Vdc) / 150mA (24Vdc) | •           |                      |
| SCGG054SS | 544 Kg        |                     | 250mA (12Vdc) / 125mA (24Vdc) | •           |                      |

# Mortise electromagnetic locks

## Features

- » Reversible
- » Fail Safe. Unlocked with no power.
- » Silent operation
- » Embedded in the door avoiding visual impact and offering several mounting options.
- » Can be installed in any position; horizontally, vertically, bottom, top or side and in any type of door; aluminium, wooden or steel, out-swinging, in-swinging even sliding and swinging doors.

## Standard range

- » Aluminium housing



CEM750SS0F



CEM150SS0F

| Model      | Holding force | Voltaje                | Consumption                   | Hall sensor | Timer |
|------------|---------------|------------------------|-------------------------------|-------------|-------|
| CEM150SS0F | 910Kg         | 12-24 Vdc (Auto)       | 450mA (12Vdc) / 225mA (24Vdc) | •           | •     |
| CEM750SS0G | 544Kg         | 12-24 Vdc (Selectable) | 450mA (12Vdc) / 225mA (24Vdc) | •           |       |

## High range

- » Stainless steel housing hermetically sealed which ensures absolutely reliable outdoor installation
- » The coil is run manually with ultra-thin wire what makes the lock gets Effective induction of electromagnetic field without residual magnetism
- » Low power consumption. Excepcional durability



| Model     | Holding force | Voltaje          | Consumption                   | Hall sensor |
|-----------|---------------|------------------|-------------------------------|-------------|
| SCGG030EN | 272Kg         | 24Vdc            | 68mA (24Vdc)                  |             |
| SCGG054ES | 544Kg         | 12-24 Vdc (Auto) | 320mA (12Vdc) / 170mA (24Vdc) | •           |

# Installation accesories

## “L” shaped brackets

The “L” bracket is required when the frame is too narrow (less than “A”) to mount the electromagnet. It is used to extend the narrow header for the depth of the magnet.

| Model     | Lock                    | “A”  |
|-----------|-------------------------|------|
| SLCEM300F | CEM300SS0F              | 42mm |
| SLCEM300G | CEM300SS0G              | 42mm |
| SLCEM600F | CEM600SS0F y CEM600DSF  | 60mm |
| SLCEM600G | CEM600SS0G y CEM600DS0G | 60mm |



## “Z” shaped brackets

Rim electromagnetic locks are designed to be installed in out swinging doors. So, “Z” brackets are required in in –swinging doors.

| Model     | Lock       |
|-----------|------------|
| SZCEM300F | CEM300SS0F |
| SZCEM300G | CEM300SS0G |
| SZCEM600F | CEM600SS0F |
| SZCEM600G | CEM600SS0G |



## Accessories for glass doors

| Model     | Lock                  | Description                             |
|-----------|-----------------------|-----------------------------------------|
| SCGGDB00S | SCGG030SS y SCGG054SS | Mounting bracket                        |
| SCGADB00S | SCGG030SS y SCGG054SS | Adhesive KIT<br>(up to 10 applications) |



# Input devices

## Stand alone keypad

Vandal resistant stand-alone controller which is suitable for indoor and outdoor mounting. The unit accepts up to 500 users via a personal identification 4 digit numbers.

### Operation

- » 4-digit numeric code management for a maximum amount of 500 users.
- » Mechanical features
- » Zamak tamper-resistant shell with stainless finish.
- » Weatherproof protection with a sealing rubber joint (IP65).
- » Size: 120x76x21mm.
- » Weight: 410 g.
- » Operation temperature: -20°C to 63°C.

### Electric features

- » Voltage: 12Vdc-24Vdc; 16Vac.
- » Stand-by consumption: 20mA (115mA max.).
- » Relay capacity: 2A.



| Model      |
|------------|
| TECLADOEXF |

## Keypad with remote control unit

### Operation

- » 2-7 digit numeric code management for a maximum amount of 59 users
- » It is possible to memorize up to 59 different from 2 to 7 digits codes.

### Mechanical features

- » Keypad
- » Stylized design 38\*178\*25mm.
- » Stainless Steel Shell.
- » Operation Temperature between -30°C and 70°C.
- » Sealed with resin for use in oxidizing environments.

### Control unit

Steel Case 152x203x73mm.  
Operation Temperature between 0°C and 70°C.

### Electric features

### Keypad

- » Including 3 LED's that operate as mode indicators.

### Control unit

- » Relay capacity: 5A.
- » Voltage: 12Vdc/24Vdc (autoselector).
- » Standby consumption: 7 mA (12V)/ 20 mA (24V)//max.
- » 160 mA (12V)/190 mA(24V).



| Model     |
|-----------|
| SCDK26ICS |

# Input devices

## Sensitive handle

This handle allows the control of any electromechanical lock to anyone who touches it, even with gloves. It opens/closes a Relay contact by simple hand contact.

Models for horizontal and vertical installation.

It consists of two elements (supplied separately): Bar and sensor (The SENSORINT internal sensor must be fitted in.)

### Features

Bar:

- » The tube is made of Aluminium with black nylon supports. It can be cut.
- » Maximum length: (Tube: 300mm) (Tube + support: 405mm)

Sensor:

- » Operating voltage: 10-30Vcc
- » Current consumption on stand-by: 8Ma
- » Operating current consumption: 50mA
- » Protected against polarity inversion.
- » Control relay with C/NC/NO contacts. (Máx. 1ª a 30Vcc/120Vca)



| Model     | Description                |
|-----------|----------------------------|
| BARVERTPL | Barra sensitiva vertical   |
| BARHORIPL | Barra sensitiva horizontal |
| SENSORINT | Sensor interno             |

## Modular handle with micro

### Operation

- » When operating the cylinder, it closes a micro capable of unlocking the door

### Features

- » Integrated internal micro-switch.
- » Fastening: with bolt - through fixing.
- \* Cylinder is not included. (It requires ½ cylinder 30x10, with long lever r=15mm. In any system.)



| Model     |
|-----------|
| MPMP2SCNE |

## Panic exit device with micro

### Operation

- » When operating the exit panic device, it activates a micro capable of unblocking the door.

### Features

- » Integrated internal micro switch.
- » Fastening: with bolt - through fixing.



# Input devices

## Key switches

### Operation

**Models with momentary contact:** Once the key is turning, it activates the microswitch and, later, a spring will prompt the return for removing the key.

**Models with maintained contact:** When turning the key, it will activate the microswitch and remain fixed.

### Mechanical features

- » Protection class: IP 54
- » Dimensions:
  - Box: 75 x 74 x 66mm.
  - Cover plate (embedded model): 100 x 125mm.
- » The European cylinder required is 30x10 and cylinder cam 90° left. (Cylinder cam 25° for maintained models with key removal)

### Electrical Features

#### Micro-switch:

- » Max. voltage 220Vac
- » Max. Current draw 5A

**Led:** Max. voltage 12Vac



Rim models



Mortise models

| Rim models  | Function  |            |     |           |
|-------------|-----------|------------|-----|-----------|
|             | Momentary | Maintained | Led | Nº micros |
| 686SC1L220  | •         |            | •   | 1         |
| 686SC1LE220 |           | •          | •   | 1         |
| 686SC1M220  | •         |            |     | 1         |
| 686SC1ME220 |           | •          |     | 1         |
| 686SC2L220  | •         |            | •   | 2         |
| 686SC2LE220 |           | •          | •   | 2         |
| 686SC2M220  | •         |            |     | 2         |
| 686SC2ME220 |           | •          |     | 2         |

| Mortise models | Function  |            |     |           |
|----------------|-----------|------------|-----|-----------|
|                | Momentary | Maintained | Led | Nº micros |
| 687SC1L220     | •         |            | •   | 1         |
| 687SC1LE220    |           | •          | •   | 1         |
| 687SC1M220     | •         |            |     | 1         |
| 687SC1ME220    |           | •          |     | 1         |
| 687SC2L220     | •         |            | •   | 2         |
| 687SC2LE220    |           | •          | •   | 2         |
| 687SC2M220     | •         |            |     | 2         |
| 687SC2ME220    |           | •          |     | 2         |

## Key switches with emergency push button

### Application:

1. Installations provided with electromechanical lock sets.
2. Opening of emergency doors controlled electronically.

**Push button:** Normally closed switch. When the button is pressed the switch remains opened breaking the circuit.

Before pushing the button the protector has to be removed. This protector avoids pushing the emergency button by accident.

To revoke the operation, the button has to be turned to the left.



| Model       | Function  |            |     |          | Installation |
|-------------|-----------|------------|-----|----------|--------------|
|             | Momentary | Maintained | Led | NºMicros |              |
| 686SC2LE220 |           | •          | •   | 2        | Mortise      |
| 687SC2LE220 |           | •          | •   | 2        | Rim          |

## Accessories

### Power supply 12Vdc

#### Application

- » Electric power supply for all kinds of electromechanical, electromagnetic locks and direct current electric strikes.

#### Features

- » Input installation: 220 Vac/50 Hz.
- » Output: 12Vdc/4,5 A:
- » Size: 122 x 60 x 35mm.
- » Connector wire equipped with earth connection.
- » Including support for installation.



Model  
FATEL 12V

### Transformer 12Vac

#### Application

- » Electric power supply for electric strikes and low consumption electromechanical locks.

#### Features:

- » Input installation 220Vac/50 Hz.
- » Output voltage 12Vac/0,5A.
- » Sizes: 79 x 44 x 32mm.
- » Internal fuse.
- » Weight: 0,325 Kg.



Model  
TRFCERBIT

### Power supply 24Vdc

#### Application

- » Electric power supply for all kinds of electromechanical, electromagnetic locks and direct current electric strikes.

#### Features

- » Input installation: 220 Vac/50 Hz.
- » Output: 24Vdc/1,2 A:
- » Size: 91 x 58 x 54mm.
- » Weight: 0,2 Kg.
- » Includes green led



Model  
FA24DC07A

### Battery and charger

#### Application

- » It guarantees the electric supply for the control unit, the motorized bars, the electromechanical and electromagnetic locks, in case of power cuts.

#### Operation

- » The charge of the battery is automatic, with stabilized tension that prevents overload and low temperature, and electronic protection against polarity inversion.

#### Features

- » Painted steel shell.
- » Input voltage: 230Vac/50 Hz
- » Output voltage: 12vdc/3,5 A
- » Energy consumption: 50 VA
- » Equipped with luminous indicators in case the load level goes under 11 Vdc, or in case energy is being received from the electric installation.11Vdc



Model  
BT12DC35A

## Accessories

### Fire prevention magnetic door holder

Magnetic door holders are used in fire protection doors. These holders keep the doors open during day to day operations. When smoke is detected the fire alarm transmit a signal which cuts off the power feed and the mechanism releases the door. This avoids fire and smoke expansion. These door holders also have a push button which allows releasing and closing the door manually.

#### Technical features

- » Holding force: 50Kg
- » Voltage: 24Vcc
- » Current consumption: 48mA
- » EN 1155 certified
- » They include articulated and fix armature plate
- » High Resistance to Vandalism models made in cast metal
- » Reliable, no mechanical part
- » Built-in varistor for to eliminate back EMF damaging control equipment
- » Easy to install
- » Without residual magnetism
- » Silence operation



| Model        | Description                                      |
|--------------|--------------------------------------------------|
| CEM50PKITST  | Door holder with white metal housing             |
| CEM50PKITB   | Door holder with high resistant housing          |
| CEM50PKITPIE | Door holder with high resistant housing and base |
| CEM50PKITSOP | Door holder armature                             |

### Lead covers

Lead covers are needed for power transfer to the devices installed on the leaf of the door. The lead cover consists on a cable and the base to attach the cable to the door (frame and leaf).

#### Mostise models

| Modelo     | Lenght | Internal diameter |
|------------|--------|-------------------|
| PASCBABL1  | 250mm. | 7,5 mm.           |
| PASCBABL1G | 250mm. | 11,8 mm.          |
| PASCBABL2  | 460mm. | 7,5 mm.           |

#### Rim models

| Modelo    | Lenght | Internal diameter |
|-----------|--------|-------------------|
| PASCAB00S | 300mm. | 7,5 mm.           |



# Accessories

## Magnetic contact

Door position sensing with nylon support specifically for use in metal profiles (ferromagnetic)

### Technical specifications

- » N.O. contact
- » Resistive load.
- » Maximum current draw: 100mA
- » Maximum voltage 30V



| Model     |
|-----------|
| SDPRR0000 |

## Timer

The timer extends the opening pulse during the time which has been set.

The time is settable from 2 to 26 seconds.

### Technical features

- » Voltage: 12Vdc, 24Vdc and 24Vac
- » Current consumption: 27mA( 12Vdc), 38mA (24V)
- » Relay SPDT output 3A



| Model     |
|-----------|
| SCTIMO-36 |