Electromechanical locks

Electromagnetic locks are a good option to lock doors that need to be controlled by an electrical signal. At the same time, they are an appropriate solution in electrically controlled exit doors since they remain unlocked in case of power failure. They can work as a conventional electromechanical lock. Besides that, these locks are ideal to give extra security to other devices. A conventional application is to connect them to a panic exit bar with micro switch in order to increase the security of goods.

TESA offers several models of electromagnetic locks according to different requirements (voltage, strength, door type, etc.). Additionally, there are accessories which make it possible to adapt these locks to each installation.

Function: Normally open (fail safe), when there is no power, there is not holding force.

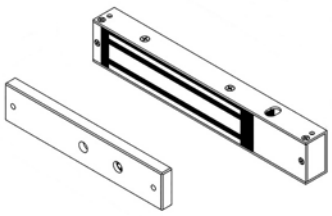
Monitoring:
» Hall Sensor: Gives the status of the lock (locked/unlocked). Includes a LED for visual signalization.
» Reed Sensor: Door position sensing (open/close).

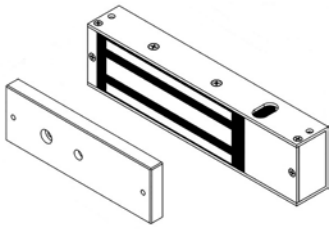
Rim electromagnetic locks

Rim electromagnetic locks are a good choice when an easy installation is required without having to make a recess in the door. They allow different installations: vertical and horizontal, in single or double doors and in out-swinging or in-swinging doors thanks to the optional brackets supplied.

Standard range

Características técnicas
» Aluminium housing
» Operation temperature: -10ºC to +55ºC
» Voltage:12/24Vdc (Selectable) Tolerance ±10





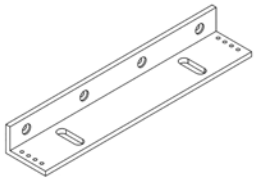
Product code	Holding force	Monitoring	Dimensions	Weight	Consumption
CEM300SS0E	3000N	Hall	Lock: 250 x 42,2 x 25mm. Armature: 185 x 38,5 x 12mm.	2Kg	500mA (12Vdc) 250mA(24Vdc)
CEM300SS0G	3000N	Hall + Reed	Lock: 238 x 48 x 26,5mm. Armature: 185 x 38 x 12,5 mm.	2Kg	500mA (12Vdc) 250mA(24Vdc)
CEM600SS0E	6000N	Hall	Lock: 266 x 67 x 40 mm. Armature: 185 x 60,8 x 16mm.	4Kg	500mA (12Vdc) 250mA(24Vdc)
CEM600SS0G	6000N	Hall + Reed	Lock: 266 x 72 x 40mm. Armature: 185 x 61 x 16mm.	4Kg	500mA (12Vdc) 250mA(24Vdc)
CEM600DS0G	2 X 6000N	Hall + Reed	Lock: 532 x 72 x 40mm. Armature: 185 x 61 x 16mm.	8Kg	1A (12Vdc) 500mA (24Vdc)

Rim electromagnetic locks

“L” Brackets for narrow door frames

“L” brackets are required when the frame is narrow and there is no space to mount the electromagnet.

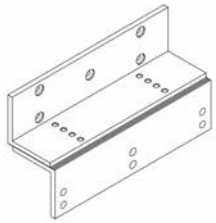
Product code	Description
SLCEM300E	Bracket for CEM300SSE when the space of the frem is less than 42mm
SLCEM300G	Bracket forCEM300SSG when the space of the frem is less than 42mm
SLCEM600E	Bracket for CEM600SSE when the space of the frem is less than 60mm
SLCEM600G	Bracket for CEM300SSG when the space of the frem is less than 60mm



“Z” Brackets for In-swinging doors

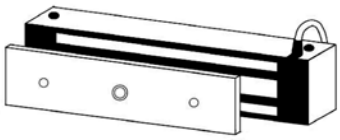
Electromagnetic locks are designed to be installed in out swinging doors. Therefore, for inwards-opening doors a “Z” shaped bracket is needed to ensure that the electromagnet is inside and prevents tampering.

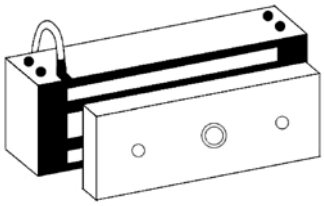
Product code	Description
SZCEM300E	“Z” bracket for CEM300SS0E
SLZEM300G	“Z” bracket for CEM300SS0G
SZCEM600E	“Z” bracket for CEM600SS0E
SZCEM600G	“Z” bracket for CEM600SS0G



High range

Technical features
» Aluminium housing
» Operation temperature: -40°C to +60°C
» Voltage:12/24Vdc (Auto)

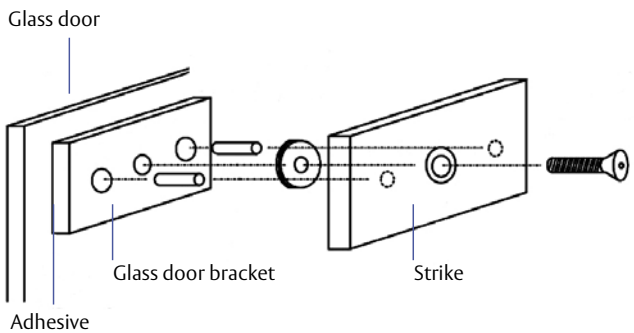




Product code	Holding force	Monitoring	Dimensions	Weight	Consumption
SCGG030SS	3000N	Hall	Lock: 203 x 47 x 38mm. Armature: 153 x 40 x 12mm.	2,8Kg	300mA(12Vcc) 150mA(24Vcc)
SCGG054SS	6000N	Hall	Lock: 203 x 74 x 45mm. Armature: 153x 70 x 14mm.	5Kg	250mA(12Vcc) 125mA(24Vcc)

Accessories for glass doors

To securely mount Electromagnet to glass doors, it is necessary to install a Glass DoorBracket. The bracket is affixed directly to the glass via a specially engineered adhesive and the strike plate is then affixed to the bracket conventionally. A stainless steel self adhesive “dress plate” is included.The plate will prevent viewing the glass door bracket through the glass, from the outside.



Product code	Description
SCGGDB00S	Glass Door Bracket
SCGADB00S	Adhesive Kit (up to 10 applications)