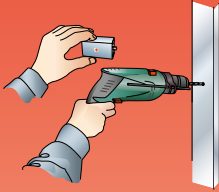


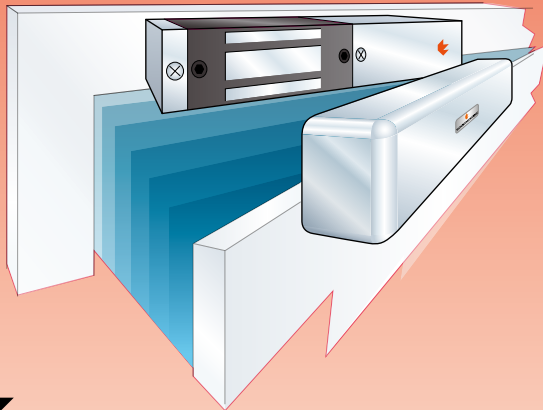
MINI ELECTROMAGNETS MULTIPURPOSE



2 types available

FOR EASY
SURFACE MOUNT
INSTALLATION

Slim Minisentrylock Series in "CLEAN COVER" housing



FRONT LOCKING

Front mounted mini-electromagnets with magnetic adhesion.

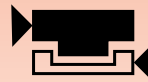
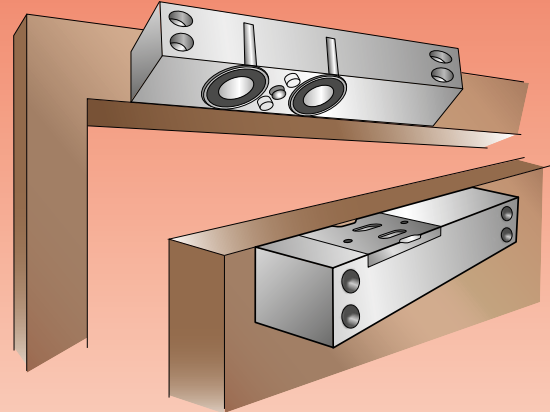
Frontal anchorage is achieved by magnetic adhesion between the face of the electromagnet and the face of the counter plate.

In practice, when the door is aligned in the stop moulding, the two coplanar surfaces fit together perfectly and a magnetic hold is established between them (with a powered holding electromagnet).

Key features:

- Fail-Safe: emergency unlock even in the event of a fault (release in the event of a power failure).
- Crush-safe: the unlock door command works even if pressure is applied to the door (e.g. crowds of people).
- Monitoring: fitted with a sensor to indicate door status (closed/open).

Slim Shearlock Series in "CLEAN COVER" housing



SHEAR LOCKING

Recessed shear-locking mini-electromagnets.

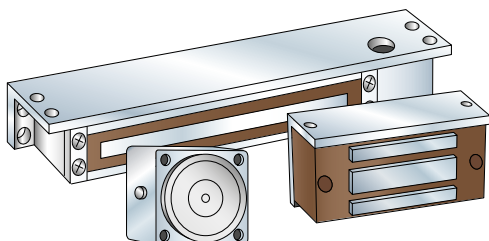
The shear anchoring is obtained by means of 2 stainless steel pins (located at the ends of the face of the electromagnet) which fit into the 2 correspondingly shaped seats (indentations) on the face of the floating counter plate.

In practice, when the door is aligned in the stop moulding, the electromagnet (when energised) attracts the face of the floating counter plate, which, when raised, aligns with the corresponding face of the electromagnet.

This causes the 2 stainless steel interlock with it. In this case, the high resistance shear locking is by recessed mounting.

Key features:

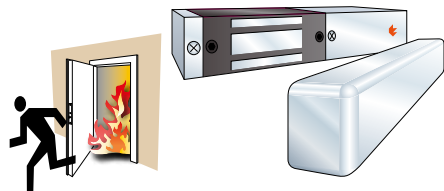
- Fail-Safe: emergency unlock even in the event of a fault (release in the event of a power failure).
- Resistance: is greatly increased (compared to simple magnetic adhesion) due to the magnetic interlocking of the two stainless steel pins.
- Monitoring: fitted with a sensor to indicate door status (closed/open)



OTHER TYPES AVAILABLE

Universal Magnets of VARIOUS STRENGTHS and DIMENSIONS

see page 62

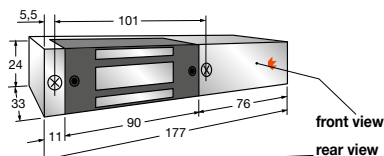


Automatic fail-safe unlock. In the event of fire or power failure it automatically unlocks freeing the exit....it's **FAIL-SAFE!**

SLIM- MINISENTRYLOCK

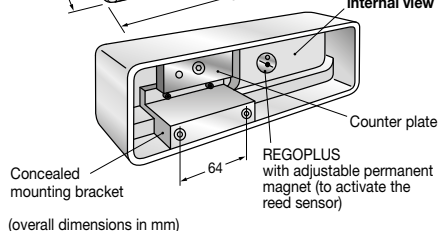
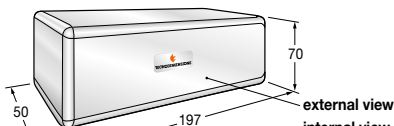
for surface mounting "DRILL&GO"
in protective "CLEAN COVER" housing

Element "A" = body of electromagnet



Element "B" =
"CLEAN COVER"
protective housing

Element "B" = "CLEAN COVER" protective housing

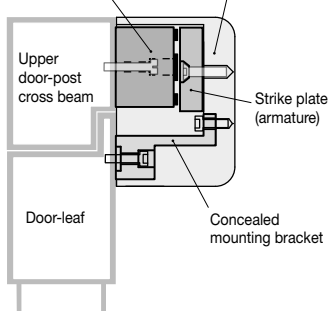


(overall dimensions in mm)

CROSS SECTION VIEW

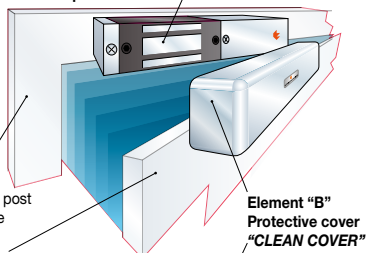
Element "A" Electromagnet
SLIM-MINISENTRYLOCK

Element "B"
protective cover
"CLEAN COVER"

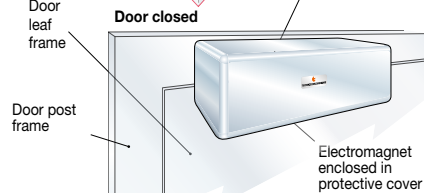


Element "A"
Electromagnet
SLIM-MINISENTRYLOCK

Door open



Door closed



PROFESSIONAL MINI ELECTROMAGNETS

SLIM-MINISENTRYLOCK

in "CLEAN COVER"
Front holding electromagnet
for crush-safe door locking

Mini elettromagnet with full coverage "CLEAN COVER"
made by single block of anodised aluminium.
Ideal for surface mount and surface applications on any
type of door frame = DRILL&GO.

Ultra compact mini electromagnet **SLIM-MINISENTRYLOCK** encased in
protective "smooth" (roughness-free) and easy to clean case. Manageable
and easy to install on door surfaces without any need to drill and/or cut
door frames = DRILL&GO.

Models for 12 Vdc power supply

SLIM-MINISENTRYLOCK fail-safe version (anti-panic)
mini electromagnet in "CLEAN COVER" case complete with
4-lead flying cable (2 m) of which 2 from the door status sensor
and 2 for power.

The kit contains two components:

- element "A"**: is the electromagnet (to be fitted to the top rail of the door frame) and
- element "B"**: which is the protective "CLEAN COVER" (to be fitted over component "A" on the upper side of door leaf).
- 12 Vdc/70 mA power supply (units with very low consumption).
- Pressure resistance 60 Kp (equivalent to 600 Newton) to be enough and prevent adequately un-authorized opening of the door.
- Frontal lock with strike plate (armature)
- Adjustable Regoplus proximity reed sensor for controlling door status with 1A SPDT switch.
- Protective Anticorodal, anodised and mechanically brushed aluminium "CLEAN COVER" made by single block for easy installation with concealed non-removable bracket.
- Dimensions 197 197 x 70 x 50 mm
- Weight Kg 1.55

Models for 24 Vdc power supply

SLIM-MINISENTRYLOCK electromagnet as above but for a 24 V
DC /50 mA power supply

Export Product-list

January 2024



TECNODIMENSIONE

Ordering information



Q.ty

MODELS

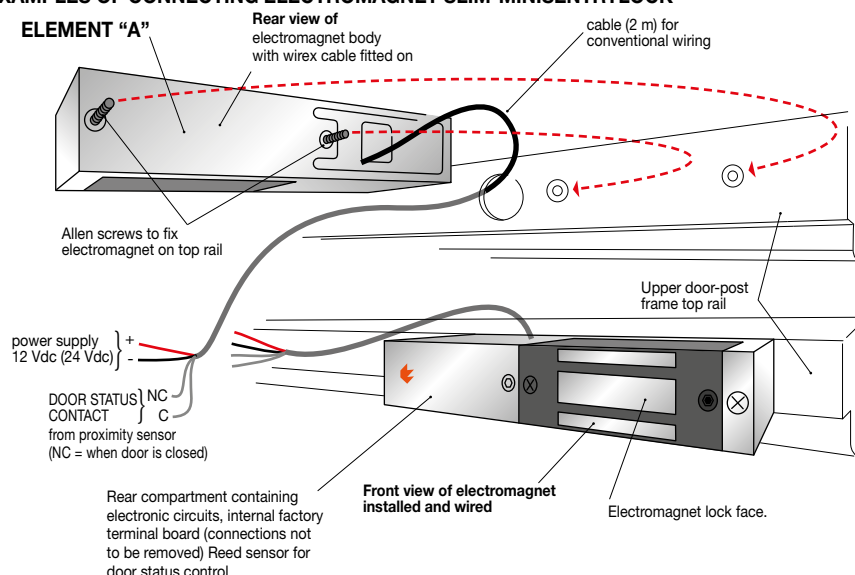
N°

0020804A2UM

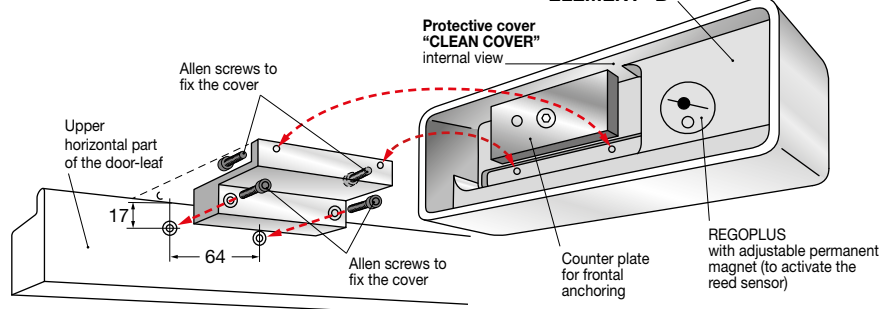
0020804A4UM

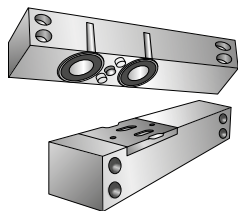
EXAMPLES OF CONNECTING ELECTROMAGNET SLIM-MINISENTRYLOCK

ELEMENT "A"



ELEMENT "B"





Automatic fail-safe unlock. In the event of fire or power failure it automatically unlocks freeing the exit.....it's **FAIL-SAFE!**

PROFESSIONAL MINI ELECTROMAGNETS

SLIM-SHEARLOCK

in "CLEAN COVER" housing
Shear-locking electromagnet

Export Product-list

January 2024



TECNODIMENSIONE®

Mini elettromagnet with full coverage "CLEAN COVER" made by single block of anodised aluminium.
Ideal for surface mount and surface applications on any type of door frame = DRILL&GO.

Ordering information



Q.ty

MODELS

N°

SLIM-SHEARLOCK

'DRILL&GO' shear-locking holding electromagnet for surface-mounting

Ultra compact mini electromagnet **SLIM-MINISENTRYLOCK** encased in protective "smooth" (roughness-free) and easy to clean case. Manageable and easy to install on door surfaces without any need to drill and/or cut door frames = DRILL&GO.

Models for 12 Vdc power supply

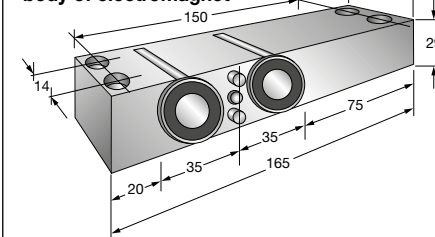
002093B2WEP

Models for 24 Vdc power supply

002093B4WEP

Element "A"

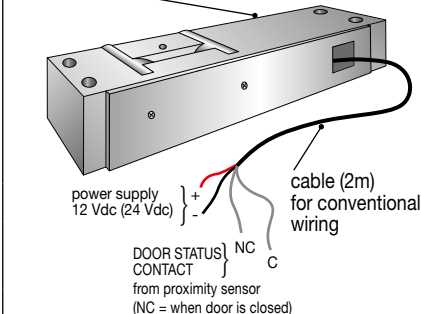
body of electromagnet



Element "A"

Body of electromagnet:

rear view cable fitted



Models for 12 Vdc power supply

SLIM-SHEARLOCK fail-safe version (anti-panic) mini electromagnet in "CLEAN COVER" case complete with 4-lead flying cable (2 m) of which 2 from the door status sensor and 2 for power.

The kit contains two components:

element "A": is the electromagnet (to be fitted to the top rail of the door frame) and
element "B": which is the protective "CLEAN COVER" (to be fitted over component "A" on the upper side of door leaf).

- 12 Vdc/70 mA power supply (units with very low consumption).
- High thrust resistance due to 2 interlocking stainless steel pins
- Shear anchorage
- Protective Anticorodal, anodised and mechanically brushed aluminium "CLEAN COVER" made by single block for easy installation with concealed non-removable bracket.
- **element "A"**: overall dimensions electromagnet 165x29x29 mm
- **element "B"**: overall dimensions electromagnet 165x29x29 mm
- Weight kg 0,9

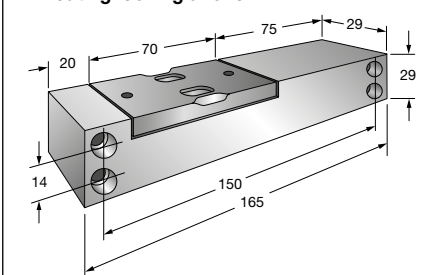
Models for 24 Vdc power supply

SLIM-SHEARLOCK electromagnet like above but with 24 Vdc/50 mA power supply

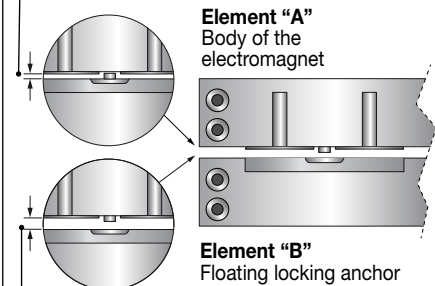
002093B4WEP

Element "B"

Floating locking anchor



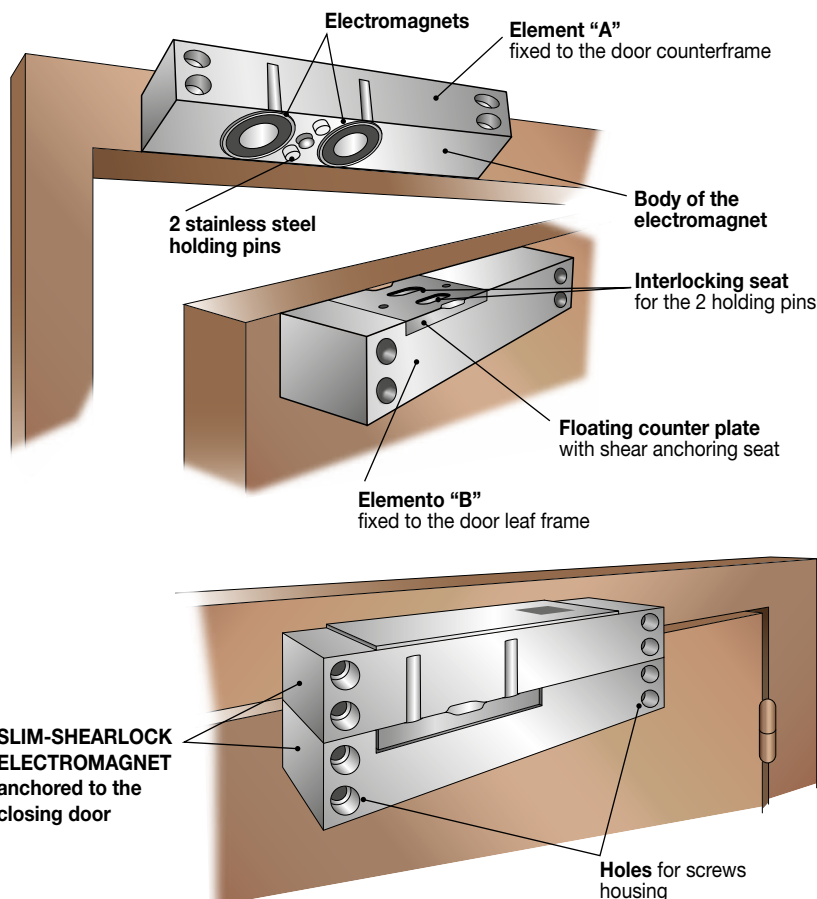
minimum distance 2 mm



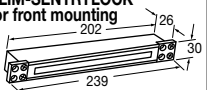

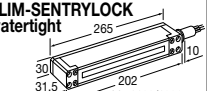
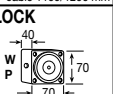
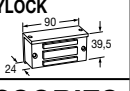
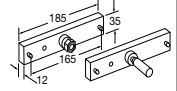
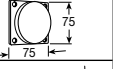
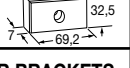
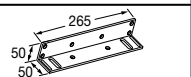

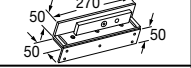
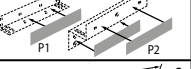
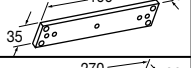

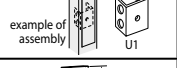
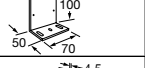
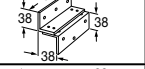



maximum distance 5 mm

(dimensions in mm)

EXAMPLES OF CONNECTING ELECTROMAGNET SLIM-SHEARLOCK



UNIVERSAL HOLDING ELECTROMAGNETS									Export Product-list January 2024		
TECHNICAL CHARACTERISTICS FAIL-SAFE: unlock immediately upon removal of power. CRUSH SAFE: the "open-door" command operates (doesn't jam) even if crowds are crushing the door (in frontal striking configuration X).	STRIKING CONFIGURATION X = Front locking Z = Shear locking)	HOLDING FORCE 10 Newton = 0,98 kg kg/Nw	UNIVERSAL OPERATING VOLTAGE or P version, define 12 or 24V Vdc	CURRENT DRAW mA	ELECTRONIC MONITORING			W = PG7 cable gland in tin I = Flush mounting S = Surface mounting	 TECNODIMENSIONE®	Ordering information 	Q.ty N°
					MAGNETIC BOND SENSOR to control holding force	V = Green led R = Red led	BUILT-IN RELAY 1 SPDT contact - 1A/30V in changeover				
	X	300/3000	12/24V	500/250	●	---	●	I	002075B33I		
	X	300/3000	12/24V	500/250	●	●	●	S	002075B33S		
	X	300/3000	12/24V	500/250	●	---	●	W	002075B33H		
	X X X	180/1800 150/1500 125/1250	12/24V 12/24V 12/24V	420/210 240/120 150/70	--- --- ---	--- --- ---	--- --- ---	S S S	002083A39Y 002083A37Y (on request) 002083A30Y (on request)		
	X	70/700	12/24V	340/165	---	---	---	S	0020804A2UY		
ACCESSORIES											
STRIKE PLATE		MANDATORY - accessory to be coupled to:					STRIKING CONFIGURATION				
	X1	SLIM-SENTRYLOCK For all models – recessed/surface-mount/waterproof					FRONTAL (SLIM-MONOFACE)		0020750X1		
	X1	MEDISENTRYLOCK					FRONTAL (MEDIFACE)		0020800X1		
	X1	MINISENTRYLOCK					FRONTAL (MINIFACE))		0020700X1		
ANGULAR BRACKETS		OPTIONAL - accessory to be coupled to:					STRIKING CONFIGURATION				
	L1	"L-shaped" anodised aluminium corner bracket for surface-mounted SLIM-SENTRYLOCK							0020750L1		
	L1	"L-shaped" anodised aluminium corner bracket for waterproof SLIM-SENTRYLOCK							0020750I1		
	LZ2	"Z-shaped" anodised aluminium pair of corner brackets for surface-mount/waterproof SLIM-SENTRYLOCK							0020750Z2		
	P1 P2	a self-adhesive screw cover plate for "L-shaped" corner bracket (excluding bracket) Set of two self-adhesive screw cover plates for "Z-shaped" corner brackets (excluding brackets)							0020750M1 0020750M2		
	F	Special bracket for surface-mounted SLIM-SENTRYLOCK fire doors							0020750F1		
	U1	"Star-shaped" anodised aluminium brackets for SLIM-SENTRYLOCK glass doors							0020750G1		
	U1	"U-shaped" anodised aluminium bracket for SLIM-SENTRYLOCK sliding doors							0020750S1		
	L1	"L-shaped" anodised aluminium corner bracket for floor-mount (or other) MEDISENTRYLOCK							0020800L1		
	LZ2	Pair of "Z-shaped" angular brackets in anodised aluminium for MINISENTRYLOCK							0020804Z2		
	U1	"Star-shaped" brackets for doors in glass only in anodised aluminium for MINISENTRYLOCK							0020804G1		

★ **Note:** The published prices of holding electromagnets do not include the accessories. Particularly do not forget to order the proper strike that is mandatory for the operation of any electromagnet.