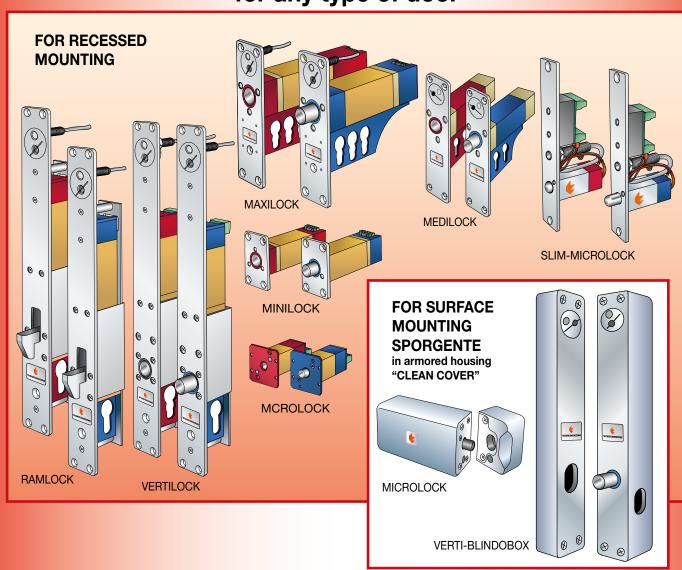


# PROFESSIONAL MULTIPURPOSE DROP BOLTS

for any type of door





## EXAMPLE OF MAXILOCK AXIAL PIN ELECTRICAL DROP BOLT

The example shown is generic to all models in the range

## **UNIVERSAL OPERATING BOBINA 100% ED** VOLTAGE

either 12 or 24Vdc field programmable

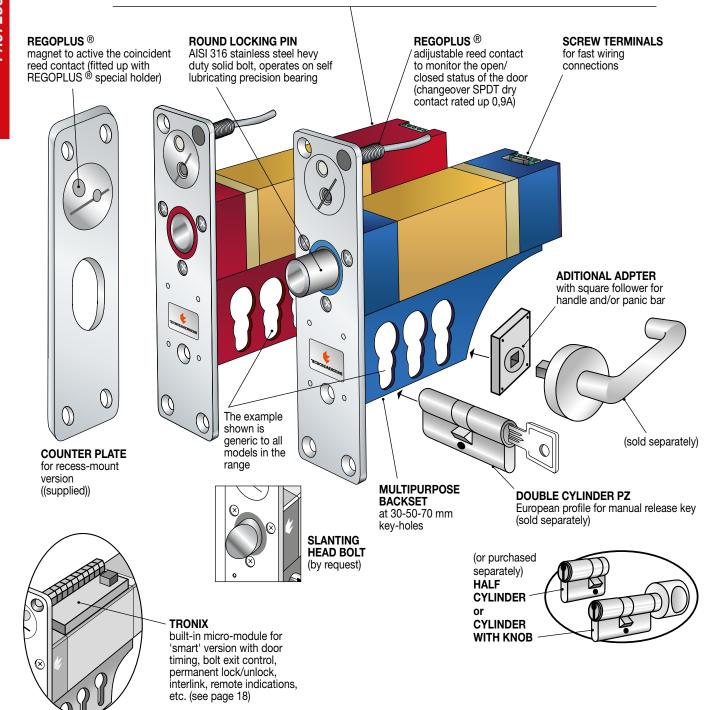
100% ED for continuous duty, high grading "H class" copper coil for high temperature 220° Celsius

## **EXTRA CURRENT PROTECTIONS**

suppressor coil noise on-board (varistor limited at 27Vdc)

## **BUILT IN** MICROSWTCH

bolt status sensor with SPDT dry contacts rated 1A



Serie Bluelock®, it is the electrical drop bolt recognizable immediately by brillant anodized blue color of aluminium parts.

"Fail-secure" version, normally closed model (fail-closed). The head of the bolt is "PROJECTED" (door open) in case of power lack on the coil is absent.

È la versione utilizzata quando la porta è usata anche come chiusura antintrusione.

Serie Redlock® it is the electrical drop bolt recognizable immediately by brillant anodized bright red color of aluminium parts.

"Fail-safe" version, normally open model (fail-open). The head of the bolt is "RECTRACTED" (door open) in case of power lack on the coil.

È la versione utilizzata quando la porta è usata anche come passaggio di fuga (per es. in caso di incendio).

MULTIPURPOSE ELECTRICAL DROP BOLTS									Export Product-list January 2024			
Maxilock, Medilock, Vertilock & Ramlock							January	2024				
TECHNICAL CHARACTERISTICS Models for recessed mounting. Each electrical drop bolt comes with its own counterflange. For surface mounting are available the pertinent BLINDOBOX	HEAVY DUTY LOCKING BOLT solid AISI 316 stainless steel	UNIVERSAL OPERATING VOLTAGE	CURRENT DRAW	MULTIPURPOSE BACKSET with different key-holes convertible for handle	BOLT STATUS SENSOR  ◆ SPDT dry contact 1	REGOPLUS® SENSOR 1 Reed contact SPDT 1A	= Reversible = Right hand (DIN links) = Left hand (DIN recths)	BLUELOCK® SERIES (fail-secure) security version = bott 'out' without power REDLOCK® SERIES (fail-safe) anti-panic version = bott 'out' with power	TECNODIM  Ordering information	ENSION	le <sup>®</sup>	
housing (see page 23).	HEAVY DUTY LOCKING BO solid AISI 316 sta	N dc	mA	mm Signal	BOLT S  SPDT	REGOP 1 Reed or	R = Reve D = Righ S = Left	BLUEL((fail-secu = bott 'ou REDLO (fail-safe) = bott 'ou	MODELS		Q.ty N°	
MAXILOCK 45 40 40 40	ROUND BOLT  Ø 18 mm stroke 20 mm	12/24V 12/24V	990/500 990/500	30/50/70 30/50/70	•	•	R R	MAXI-BLUELOCK MAXI-REDLOCK	0071C2R3U 0073C2R3U			
160	SLANTED BOLT  Ø 18 mm  corsa 15 mm	12/24V 12/24V	990/500 990/500	30/50/70 30/50/70	•	•	D/S ? D/S ?	MAXI-BLUELOCK MAXI-REDLOCK	0072C2(D/S?)3U 0074C2(D/S?)3U			
MEDILOCK 35 30 30	Ø 15 mm stroke 14 mm	12/24V 12/24V	900/450 900/450	30/50 30/50	:	:	R R	MEDI-BLUELOCK MEDI-REDLOCK	0081C2R3U 0083C2R3U			
ERTILOCK 35 33 33 33 33 33 35 35 35 35 35 35 35	Ø 15 mm stroke 14 mm	12/24V 12/24V	900/450 900/450	30/50 30/50	:	:	D/S ? D/S ?	MEDI-BLUELOCK MEDI-REDLOCK	0082C2(D/S?)3U 0084C2(D/S?)3U			
330	Ø 15 mm stroke 15 mm	12/24V 12/24V	900/450 900/450	25 25	:	:	R R	VERTI-BLUELOCK VERTI-REDLOCK	0091C2R2U 0093C2R2U			
000	SLANTED BOLT Ø 15 mm stroke 15 mm	12/24V 12/24V	900/450 900/450	25 25	•	•	D/S ? D/S ?	VERTI-BLUELOCK VERTI-REDLOCK	0092C2(D/S?)2U 0094C2(D/S?)2U			
VERTILOCK version "K" with anti-retraction bolt  330		that pre	events the nce capaci	bolt from	being re	Anti-retraction bolt), ures a high <b>05 class 4.</b>						
250	ROUND BOLT  Ø 15 mm stroke 15 mm	12/24V 12/24V	900/450 900/450	25 25	•	•	R R	VERTI-BLUELOCK VERTI-REDLOCK	0091C2R2UK 0093C2R2UK			
RAMLOCK 300 300 230 230 230	RAM-CATCH cromium-plate brass 21 x 24 x 10 mm	12/24V 12/24V	900/450 900/450	25 25	•	•	R R	RAM-BLUELOCK RAM-REDLOCK	0097C2R2U 0098C2R2U			
ANCILLARIES								Į.				
Adaptors to unlock the door by means of the handle - Ideal to enable Maxi, Medi and Vertilock electrical drop bolts to be manually released also by means of a handle and/or safety bar. For Maxilock or Medilock: installing the additional standard "G" adaptor (where is placed the key-hole), enables the door to be unlocked from the "inside" by means of the handle and/or safety bar. The door can be manually unlocked also from the "outside" by means of the cylinder with key. For Vertilock: the special "G" and/or "SMP" adaptor is fixed on the body of Vertilock by engaging the bolt of the handle/panic bar (or using the PC + CT kit).												
OPTIONAL "G" ADAPTOR Standard or "SMP"	9 mm sq		(30/50/70) Key-holes backse	applicable MAXILOCK MEDILOCK	(	R	Version "o manual u	G" for temporary nlocking	S00708GU "G" adaptor only			
Handle to be provided	follower for by handle o bar		25 Key-holes backse	applicable on		R	Version "G" for temporary manual unlocking		S00908GU "G" adaptor only			
by customer	25 Key-holes backse	applicable VERTILOCI		Version "SMP" for permanent manual unlocking			S00908GSMP "SMP" adaptor only					
Kit with PC control pin + CT triangular key  G or SMP  19  PC  TT  SPECIAL APPLICATIONS:  Emergency unlocking with standard triangular key  Kit with PC control spindle, guide and rose for the insertion of the triangular key  + 2 TC plastic triangular keys for emergency unlocking (if the electrical drop bolts are fitted with the optional "G" and/or "SMP" adapter}.									<b>S00908GT2</b> (kit PC + CT)			

Note: for Maxilock or Medilock without override mechanism, above corresponding price less euro 71,00 each. The published prices do not include key-cylinders, handles, and any adapter, installing ancillory. The standard locking counter-plate is included, but special "2 slide-giude" counter-plates for swing doors should be purchased separately.

"TRONIX" ELECTRICAL DROP BOLTS WITH SMART MICRO-MODULE Maxilock, Medilock, Vertilock & Ramlock										Export Product-list January 2024		
TECHNICAL CHARACTERISTICS Models for recessed mounting in Tronix "intelligent" version with built-in electronic mana-	nless steel	۸o	RAW	I MULTIPURPOSE BACKSET with different key-holes convertible for handle	ENSOR	OR STATUS	20 sec)	V links) recths)	X® version ower  version ersion	JECNODIM	ENSIONE <sup>®</sup>	
gement and supplied with counter-plate. For surface mounting use the proper BLINDOBOX housing (see page 23).	HEAVY DUTY LOCKING BOLT solid AISI 316 stainless steel	S UNIVERSAL OPERATING VO	E CURRENT DRAW	I MULTIPURPOSE B with different key-holes convertible for handle	BOLT STATUS SENSOR	REGOPLUS® DOOR STATUS SENSOR	<ul> <li>Timed opening (1÷20 sec)</li> <li>Control of bolt exit</li> <li>Interlink (for interlock)</li> </ul>	R = Reversible D = Right hand (DIN links) S = Left hand (DIN recths)	SERIE BLUELOCK® (fail-secure) security version = bott 'out' without power SERIE REDLOCK® (fail-safe) anti-panic version = bott' out' with power	Ordering information  MODELS	Q.t	
MAXILOCK 45 56 56	ROUND BOLT Ø 18 mm stroke 20 mm	12/24V 12/24V	990/500 990/500	30/50/70 30/50/70		:	:	R R	MAXI-BLUELOCK MAXI-REDLOCK	0071C2R3UT 0073C2R3UT		
170	SLANTED BOLT Ø 18 mm corsa 15 mm	12/24V 12/24V	990/500 990/500	30/50/70 30/50/70		•	•	D/S ? D/S ?	MAXI-BLUELOCK MAXI-REDLOCK	0072C2(D/S?)3UT 0074C2(D/S?)3UT		
MEDILOCK 35 46 46	ROUND BOLT Ø 15 mm stroke 14 mm	12/24V 12/24V	900/500 900/500	30/50 30/50	•	:	•	R R	MEDI-BLUELOCK MEDI-REDLOCK	0081C2R3UT 0083C2R3UT		
99	SLANTED BOLT Ø 15 mm stroke 14 mm	12/24V 12/24V	900/500 900/500	30/50 30/50	•	•	•	D/S ? D/S ?	MEDI-BLUELOCK MEDI-REDLOCK	0082C2(D/S?)3UT 0084C2(D/S?)3UT		
VERTILOCK 354	ROUND BOLT  Ø 15 mm  stroke 15 mm	12/24V 12/24V	900/450 900/450	25 25	•	:	•	R R	VERTI-BLUELOCK VERTI-REDLOCK	0091C2R2UT 0093C2R2UT		
330 250	SLANTED BOLT Ø 15 mm stroke 15 mm	12/24V 12/24V	900/450 900/450	25 25	•	:	:	D/S ? D/S ?	VERTI-BLUELOCK VERTI-REDLOCK	0092C2(D/S?)2UT 0094C2(D/S?)2UT		
VERTILOCK version "K" with anti-retraction bolt		VERTILOCK, version K, has a special device, ARB (Anti-retraction bolt), that prevents the bolt from being retracted and ensures a high resistance capacity. Compliant with European standard EN 12209-2005 class 4.										
330 250	Ø 15 mm stroke 15 mm	12/24V 12/24V	900/450 900/450	25 25	•	:	•	R R	VERTI-BLUELOCK VERTI-REDLOCK	0091C2R2UKT 0093C2R2UKT		
RAMLOCK 35 4 30 30 40	RAM-CATCH	12/24V 12/24V	900/450 900/450	25 25	:	:		R R	RAM-BLUELOCK RAM-REDLOCK	0097C2R2U 0098C2R2U		
300 230 120	cromium-plate brass 21 x 24 x 10 mm						•		TRONIX MICROMODULE (to be purchased separately)	035952		
ANCILLARIES		ı				1			l.			
Adaptors to unlock the d bolts to be manually releas additional standard "G" add means of the handle and/o cylinder with key. For Vertill bolt of the handle/panic ba	ed also by m aptor (where r safety bar. ock: the spec	eans of is place The doo cial "G" a	a handle a d the key- r can be n and/or "S <b>i</b>	and/or sa hole), ena nanually u	fety b ables inlock	ar. For the do ked also	Maxilock or to be ure from the	or Mediloo nlocked fro "outside"	ck: installing the om the "inside" by by means of the			
OPTIONAL "G" ADAPTOR - Standard or "SMP"	9 mm sq		(30/50/70) Key-holes backset		K	R		Version "G" for temporary manual unlocking		S00708GU "G" adaptor only		
Handle to be provided		ower for release handle or panic bar Eey-hole backset		applicable on VERTILOCK R			Version "G" for temporary manual unlocking		S00908GU "G" adaptor only			
by customer			Key-holes backset	applicable VERTILOC				manual ur	SMP" for permanent nlocking	S00908GSMP "SMP" adaptor only		
Kit with PC control pin + CT triangular key	SPECIAL A	PPI IC	ATIONS:									
G or SMP B PC 90 Ø 40	Emergency Kit with PC	<b>y unlock</b> control igular ke	<b>king with</b> spindle, g eys for em	guide and ergency	rose unloc	for the	insertion		ngular key + 2 TC bolts are fitted with	<b>S00908GT2</b> (kit PC + CT)		

**Note:** for Maxilock or Medilock without override mechanism, above corresponding price less euro 71,00 each. The published prices do not include key-cylinders, handles, and any adapter, installing ancillory. The standard locking counter-plate is included, but special "2 slide-giude" counter-plates for swing doors should be purchased separately.

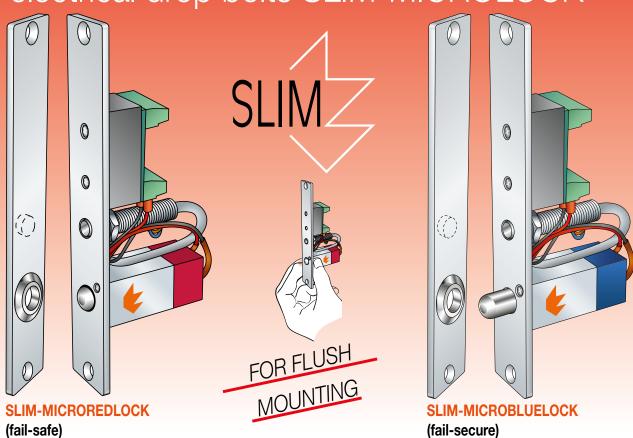
MULTIPURPOSE ELECTRICAL DROP BOLTS  Minilock & Microlock							Export Product-list January 2024										
TECHNICAL CHARACTERISTICS Models for recessed mounting. Each solenoi bolt comes with its own	HEAVY DUTY LOCKING BOLT solid AISI 316 stainless steel Microlock (steel or AISI 303 s. s.)	AL OPERATING	AL OPERATING	IL OPERATING	AL OPERATING	UNIVERSAL OPERATING VOLTAGE	r draw	S SENSOR ontact 1A ntact 0,5A	(1÷20 sec) exit erlock	REGOPLUS® DOOR STATUS SENSOR	F = Frontal flange for flush mounting FZ = Long flange for flush mounting L = Bracket for surface mounting	(DIN links) JIN recths)	.OCK® urity version ut power	OCK® Inic version Iower	TECNODIN	ENSION	<b>VE</b> ®
counterflange. For surface mounting are available the pertinent BLINDOBOX housing (see page 23).	HEAVY DUTY LOCKING solid AISI 316 stainless steel Microlock (steel or AISI 303 s.	OD/ ODLTAGE	GURRENT DRAW	BOLT STATUS SENSOR  ● 1 SPDT dry contact 1A  ○ 1 SPDT dry contact 0,5A	Timed opening (1÷20 sec)     Control of bolt exit     Interlink (for interlock)	REGOPLUS® SENSOR	F = Frontal flang FZ = Long flang L = Bracket for	R = Reversible D = Right hand (DIN links) S = Left hand (DIN recths)	SERIE BLUELOCK® (fail-secure) security version = bolt 'out' without power	SERIE REDLOCK® (fail-safe) anti-panic version = bolt 'out' with power	Ordering information  MODELS		Q.ty N°				
MINILOCK	ROUND BOLT	12/24V 12/24V 12/24V	900/450 900/450 900/450	•	 	  •	F L FZ	R R R	MINI-BLUE MINI-BLUE MINI-BLUE	ELOCK	0081B2RFU 0081B2RLU 0081B2RFZU						
Type F	Ø 15mm stroke 14mm	12/24V 12/24V 12/24V	900/450 900/450 900/450	•	 	  •	F L FZ	R R R	MINI-REDI MINI-REDI MINI-REDI	LOCK	0083B2RFU 0083B2RLU 0083B2RFZU						
7ype L	SLANTED BOLT	12/24V 12/24V 12/24V	900/450 900/450 900/450	•	 	  •	F L FZ	R R D/S?	MINI-BLUE MINI-BLUE MINI-BLUE	ELOCK	0082B2RFU 0082B2RLU 0082B2(D/S?)FZU						
160 July 1999 Type FZ	Ø 15mm stroke 14mm	12/24V 12/24V 12/24V	900/450 900/450 900/450	•		  •	F L FZ	R R D/S?	MINI-REDI MINI-REDI MINI-REDI	LOCK	0084B2RFU 0084B2RLU 0084B2(D/S?)FZU						
MICROLOCK    60   20 x 20     7 ype F     835   20 x 20     7 ype L	ROUND BOLT Ø 8mm stroke 8mm	12V 24V 12V 24V 12V 24V 12V 24V	390 200 390 200 390 200 390 200	    0	    	    	F/L ? F/L ? F/L ? F/L ? F/L ? F/L ? F/L ?	R R R R R R R	MICRO-BL MICRO-BL MICRO-BL MICRO-RE MICRO-RE MICRO-RE MICRO-RE	LUELOCK LUELOCK LUELOCK EDLOCK EDLOCK EDLOCK	00801A2R(F/L?) 00801A4R(F/L?) 00801B2R(F/L?) 00801B4R(F/L?) 00803A2R(F/L?) 00803A4R(F/L?) 00803B2R(F/L?)						
	Note: Se				C on pag	je 24											
ADDITIONAL ANCILLARIES FOR MICROLOCK  TWO-SLIDES COUNTER-STRIKES FOR MICROLOCK  Additional accessory for Microlock electrical drop bolts a - two-slides counter-plate for Microlock "F" version for flush mounting a¹ - two-slides counter-plate as above but FZ version (20x60mm) including magnet for door status sensor b - two-slides strike block for Microlock "L" version for surface mounting (the strike block is alluminium anodized "silver colour" type).								0080502R 0080502RZ S00809V1RF									
"TRONIX" VERSION with smart micromodule																	
MINILOCK with Regoplus®	ROUND BOLT Ø 15mm stroke 14mm	12/24V 12/24V	900/450 900/450	•	•	•	FZ FZ	R R	MINI-BLUE MINI-REDI		0081B2RFZUT 0083B2RFZUT						
99 Version "FZ"	SLANTED BOLT Ø 15mm stroke 14mm	12/24V 12/24V	900/450 900/450	•	•	•	FZ FZ	D/S ? D/S ?	MINI-BLUE MINI-REDI		0082B2(D/S?)FZUT 0084B2(D/S?)FZUT						

**Note:** prices quoted do **not include** key cylinders, handles and other installation accessories. The standard locking counter plate is always supplied with Minilock electrical drop bolts, but for Microlock electrical drop bolt. The electrical drop bolt Minolock and Microlock should be required equipped with additional rod (fitted axially in the rearbody) to provide mechanical release, with extraprice of euro 16,00 each unit.

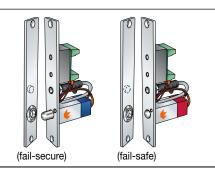
SURFAC	Export Product-I	<b>ist</b> - Januar	y 2024					
TECHNICAL CHARACTERISTICS The listed models are proper boxes to house pertinent electrical bolts to provide surface mounting, both standard or "TRONIX" version.	CHARACTERISTICS The listed models are proper boxes to house pertinent electrical bolts of provide surface mounting, both standard  SURFACE MOUNTING  Example of electrical bolt (purchased separetely) to be assembled into the proper box for surface mounting.					TECNODING Ordering information	ENSION	Q.ty
MAXI-BLINDOBOX		$\bigcap_{mm}$	N = Alluminium "dark brown" F = Aluminium "silver"	D = Right hand (DIN links S = Left hand (DIN recths) R = Reversible	<b>Z</b> = with SPDT reed contact for door status control	MODELS		N°
170		70 70	F N	D/S D/S		0079C2(D/S?)7F 0079C2(D/S?)7N		
MEDI-BLINDOBOX								
170 170 444 550		50 50	F N	D/S D/S		0089C2(D/S?)5F 0089C2(D/S?)5N		
VERTI-BLINDOBOX  335  335  40  25 (30)		25/30 25/30	F N	D/S D/S		0099C2(D/S?)3UF 0099C2(D/S?)3UN		
RAM-BLINDOBOX								
305 00 00 00 00 00 00 00 00 00 00 00 00 0		25/30 25/30	F N	D/S D/S		0099C2(D/S?)2F 0099C2(D/S?)2N		
MINI-BOX  85  38  38  38			F N F N	R R R	  •	0089B1UF 0089B1UN 0089B1UFZ 0089B1UNZ		
For MINI-BOX 85 38 38	To be addizionale sblocco chiave per Minibox opzionale	130 130	F N	D/S? D/S?		0089C1(D/S?)F 0089C1(D/S?)N		
AUXILIARY ACCESSORIES Designed to be used to fix the Minibox boxes on the rear and useful in the following cases:  1) Irregular door surface 2) To "weld" the Minibox box on an iron door 3) To reinforce the rear of the Minibox box on "oone" cates	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	reversible Kit with f	ixing and shin e, RHS/LHS, v ixing and shin e, RHS/LHS, v	without holes nming plate,	3.	0089C0RPK 0089C2RPK		
Spare bolt for MINI-BOX 85	Block counter (external locking strike) for Minilock, without case		F N	R R		S0089B1RF S0089B1RN		
MICRO-BOX	Tipo L = Tipo L	  	F N F N	R R R R	  •	00809A0UF 00809A0UN 00809A0UFZ 00809A0UNZ		
Spare bolt for MICRO-BOX	Block counter (external locking strike) for Minilock, without case		F N	R R		S00809V1RF S00809V1RN		

Note: The published prices are quoted for housing only. The pertinent prices of the electrical bolts to be included onto the housing, should be added separately (see the specific price list).

# Ultraslim and supercompact electrical drop bolts SLIM-MICROLOCK







105

SLIM-MICROLOCK

For recess mounting

Radiused R2,5

140

25. 0

0

Countersun holes for M4 screws

## PROFESSIONAL ELECTRICAL DROP BOLTS **SLIM-MICROLOCK**

## conventional applications

# With screw-type terminal box for

Micro electrical drop bolt for recess mounting with
flange and counterflange in anodised aluminium
with "silver" finish. Ideal for compact door frames.

**Export Product-list** 

January 2024

**TECNODIMENSIONE** 

Micro electrical drop bolt for recess mounting with flange and counterflange in anodised aluminium	Ordering information	
with "silver" finish. Ideal for compact door frames.		Q.ty
	MODELS	N°
BLUELOCK series fail-secure version (security) = bolt "out", bolt "in" with power.		

If there is no power, the SLIM MICROBLUELOCK electrical drop bolt locks in closing, to prevent unauthorized access.

REDLOCK series fail-safe version (anti-panic) = in case of power lack, bolt "out" when powered, bolt "in" without power. If there is a fire, the SLIM MICROREDLOCK electrical drop bolt solenoid bolt releases automatically to enable a safe evacuation.

## Models for 12 Vdc power supply

SLIM-MICROBLUELOCK fail secure version (security).

Micro-electrical drop bolt for panel flush fitting with screw-type terminal board for conventional wiring of any system, even pre-existent (including existing units).

- With 100% ED reel for uninterrupted functioning.
- Includes a Reed sensor to control the approaching of the door (axially adjustable).
- 12 Vdc/390 mA power supply

Accessories supplied as standard: Counterflange with kit "SCP" that includes 3 bushings in chromium-plated steel to compensate the port.

SLIM-MICROREDLOCK fail-safe version (anti panic).
Micro-electrical drop bolt for panel flush fitting same as above but.

Models for 24 Vdc power supply

SLIM-MICROBLUELOCK fail secure version (security). Micro-electrical drop bolt for panel flush fitting same as above but with 24V DC/200 mA power supply

SLIM-MICROREDLOCK same as above but fail-safe version (anti panic). Micro-electrical drop bolt for recess mounting

00803A2FZM

00801A2FZM

00801A4FZM 00803A4FZM

Note: 1) The special "SCP" compensation kit is supplied as standard and with 3 interchangeable bushings (choose the most suitable one, as shown in the figure on the side) enables to compensate the port and precisely adjust it. It is in fact important to verify that at least 4/5 of the length of the bolt head on the electrical drop bolt is inserted in the "hole" on the counterflange (reference bushing) when

power supply 12 Vdc (24 Vdc)

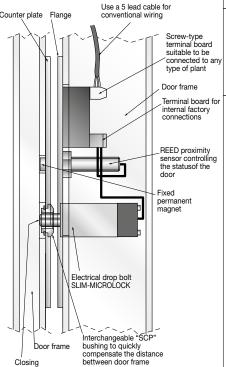
C

LNC .

contact output for

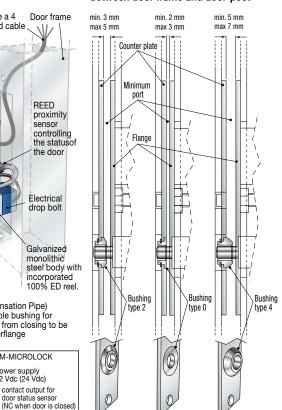
it is projecting (so that the door can be closed). 2) Standard models are designed to be fitted for "horizontal striking". Types for vertical (downwards or upwards) striking, by special request.

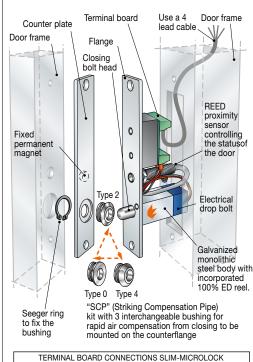
### **EXAMPLE OF RECESS-MOUNTING** ON THE DOOR FRAME



## WIRING EXAMPLE SLIM-MICROREDLOCK

## Kit "SCP" (Striking Compensation Pipe) kit to quickly compensate distance between door frame and door-post





for internal factory

connections

(do not remove)