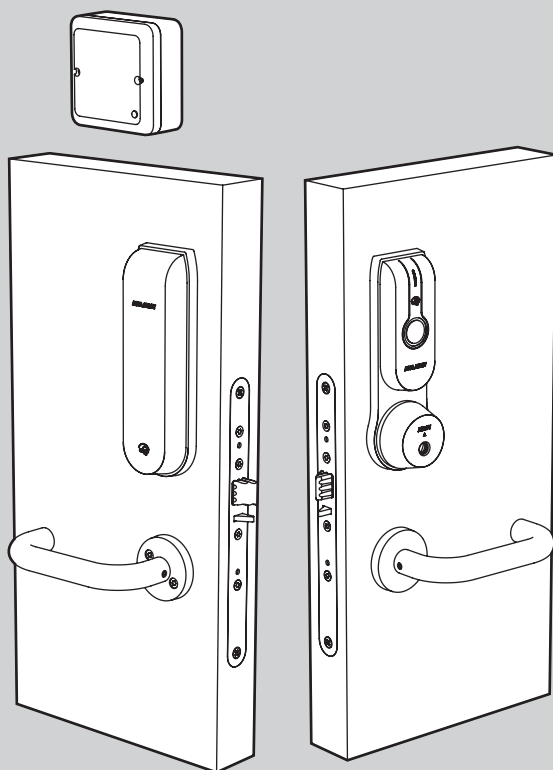


Installation AL580 / AL480

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door opening solutions



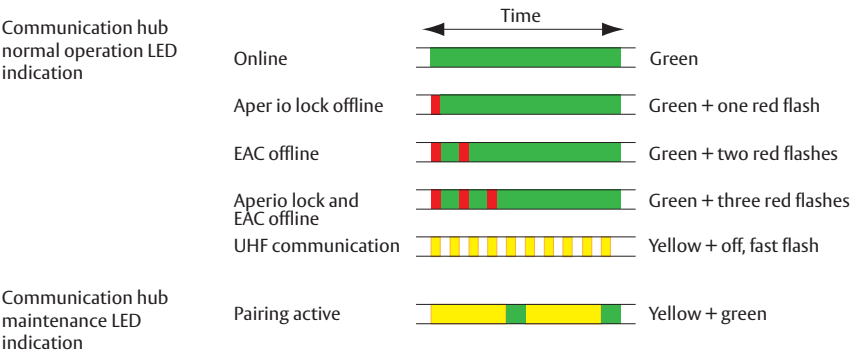
Contents

LED INDICATIONS	2
TECHNICAL DATA	3
INSTALLATION	4
LOCK INFORMATION	12
DRILLING SCHEME	16
DRILLING	18
SETTABLE FUNCTIONS	20

LED INDICATIONS

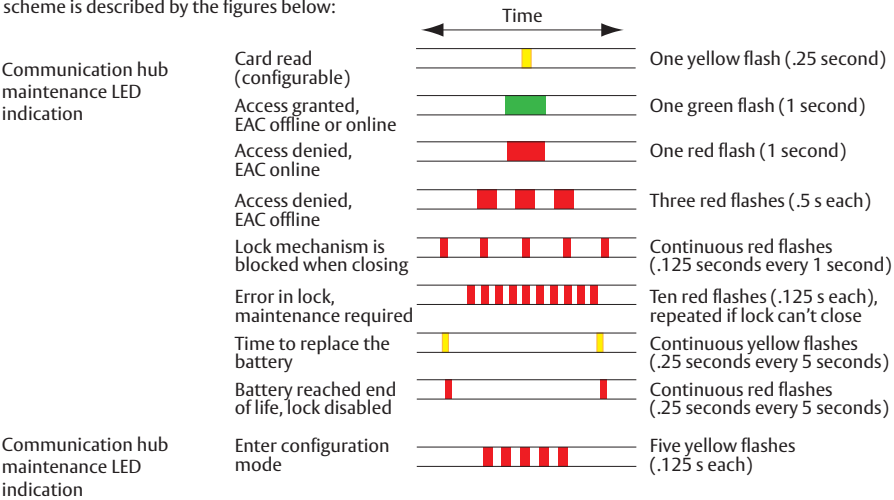
COMMUNICATION HUB LED INDICATION

The communication hub has a single LED. It supports an optical scheme with red, green and yellow. The indication scheme is described by the two figures below:



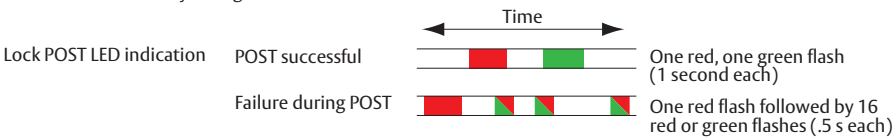
LOCK NORMAL OPERATION LED INDICATION

The lock has three LEDs. They support an optical scheme with red, yellow and green. The indication scheme is described by the figures below:



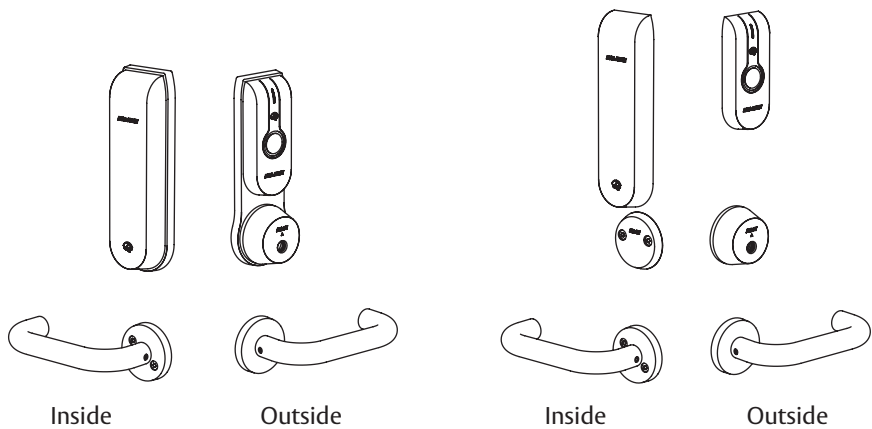
LOCK SELF TEST INDICATION

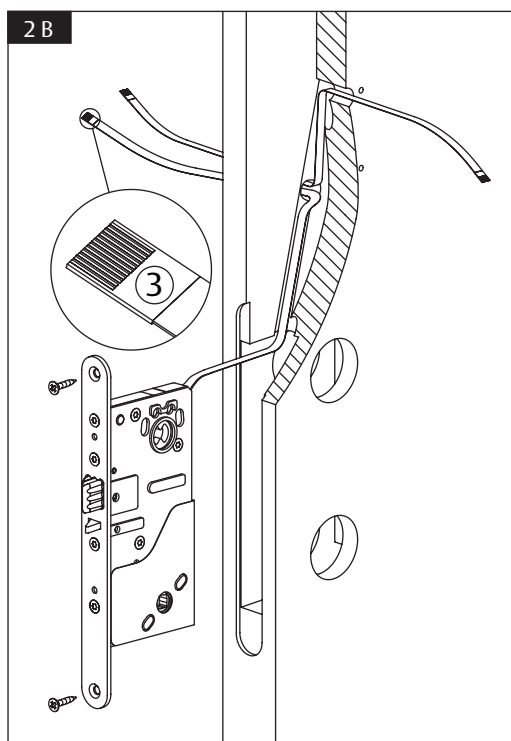
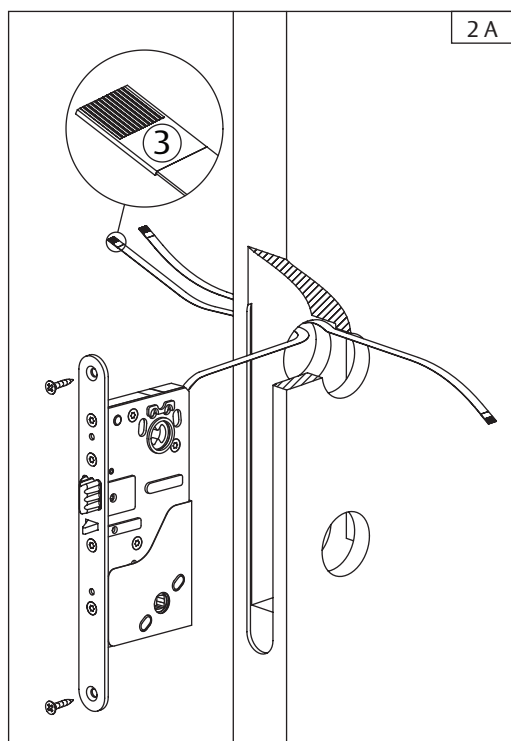
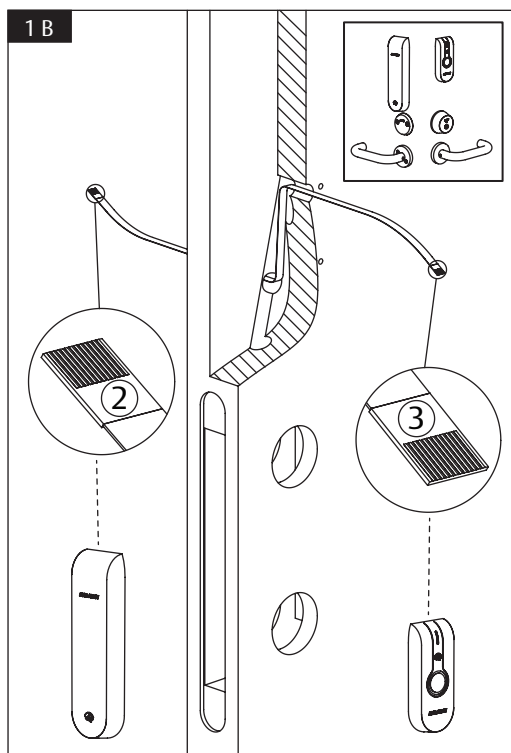
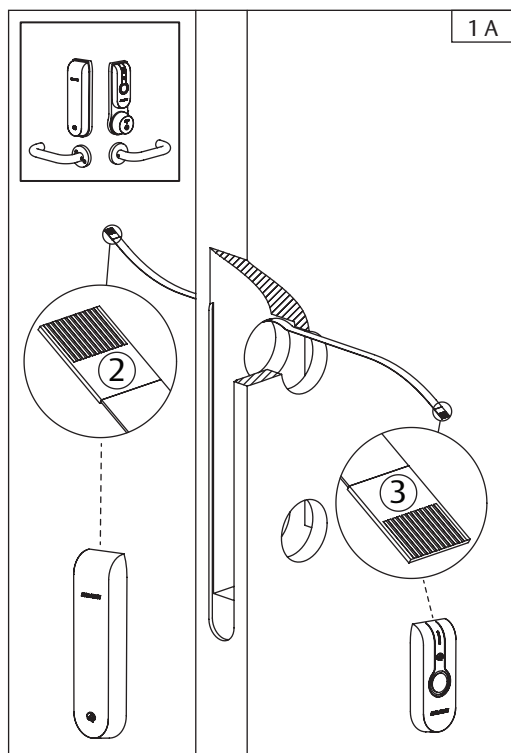
The lock has three LEDs. They support an optical scheme with red, yellow and green. The indication scheme is described by the figures below:

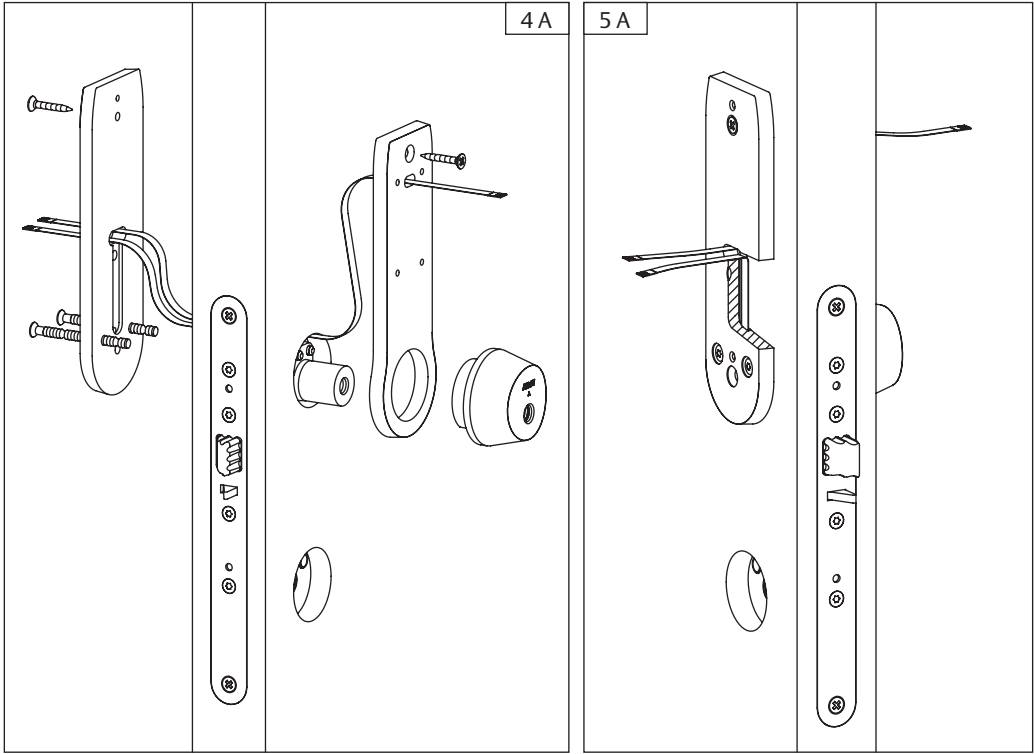
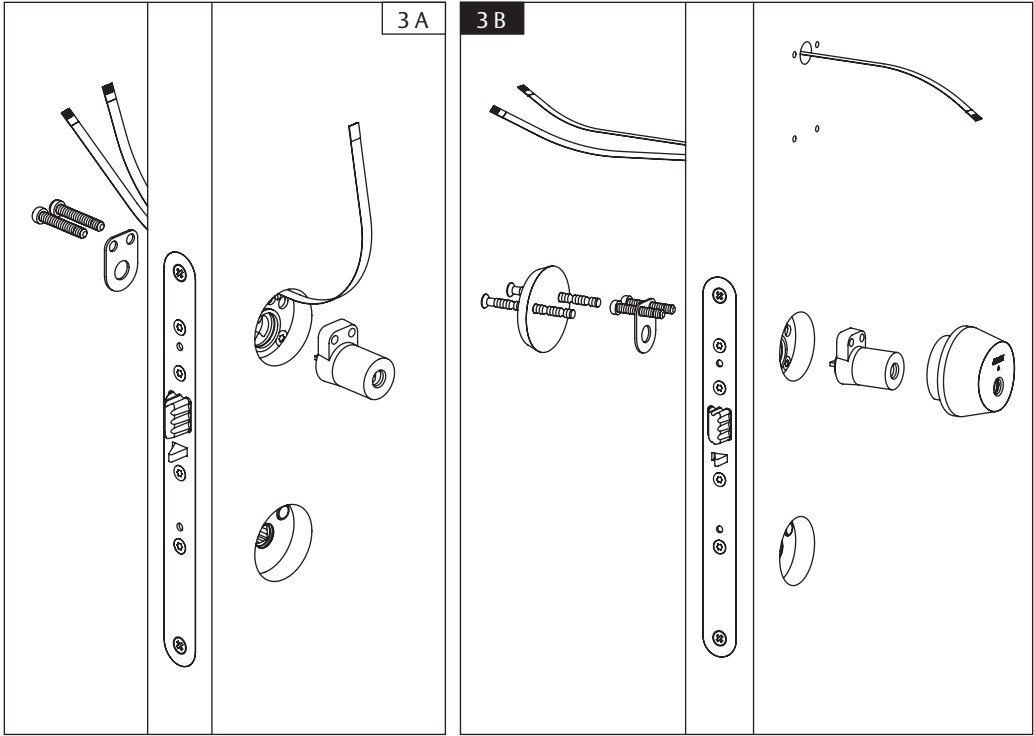


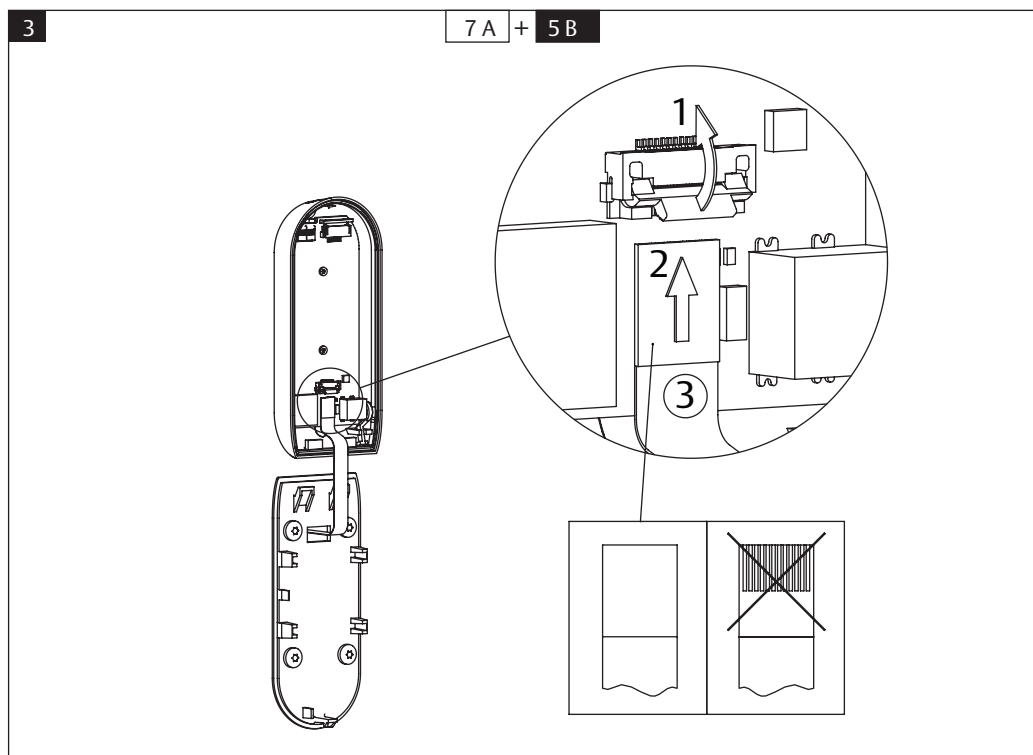
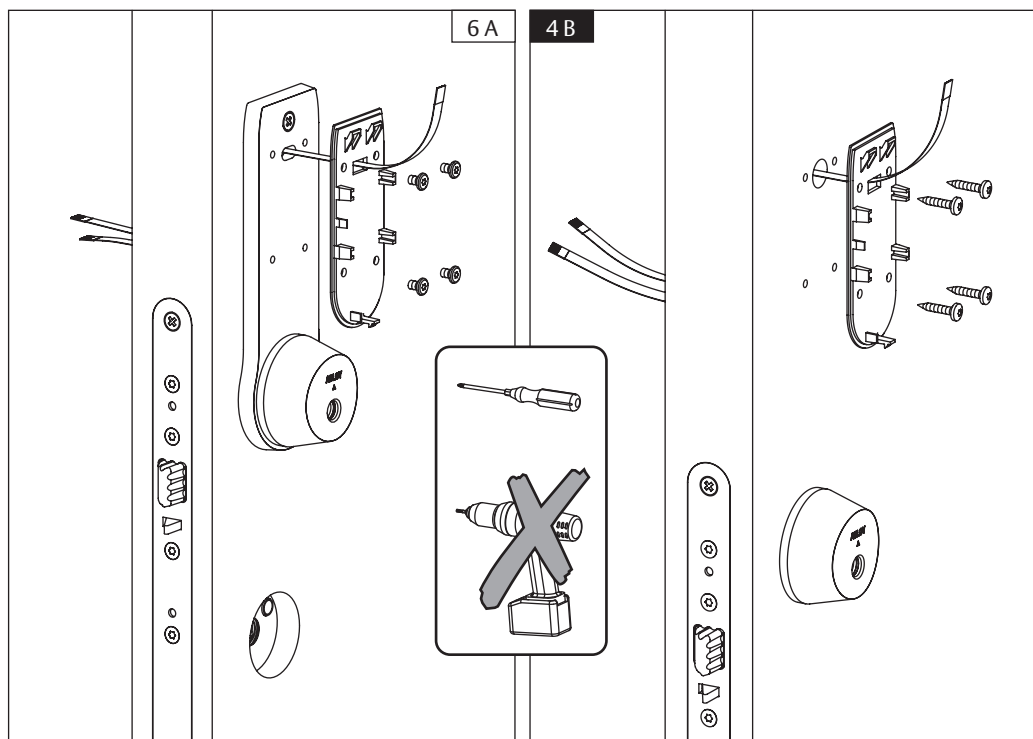
TECHNICAL DATA

Battery type:	2 pieces Energizer lithium AA size, L91, FR6, 1,5V	
Battery Lifetime:	Max. 50000 cycles	
	Emergency battery KIT contact in reader	
Encryption (radio communication):	AES 128 Bit, site related encryption key	
Radio Standard:	IEEE 802.15.4 (2,4 GHz)	
Distance between lock and HUB:	AH15 max. r=15m	
	AH20 and AH30 max. 60m	
	(Line of sight, no radio disturbance)	
RFID reading:	UID, Sector, Blocks, Pages	
RFID technology:	Mifare classic, Mifare +, DesFire, iClass, EM prox, HID Prox	
Card reading distance:	<1cm	
Environment:	Inside: 0°C - +40 °C humidity <85%	
	Outside: -40°C - +65 °C humidity <85%	
Altitude	1 - 2000 m	
IP-degree inside unit:	IP44	
IP-degree outside unit:	IP54	
Colour / surface:	Black/Plastic	
Override:	Up to 10 override credentials / cards	
	Mechanical cylinder	
Monitoring:	Locking status	(unlocked / locked)
	Handle status	(handle used / handle not used)
	Door monitor status	(door open / not open)
	Tamper / sabotage	

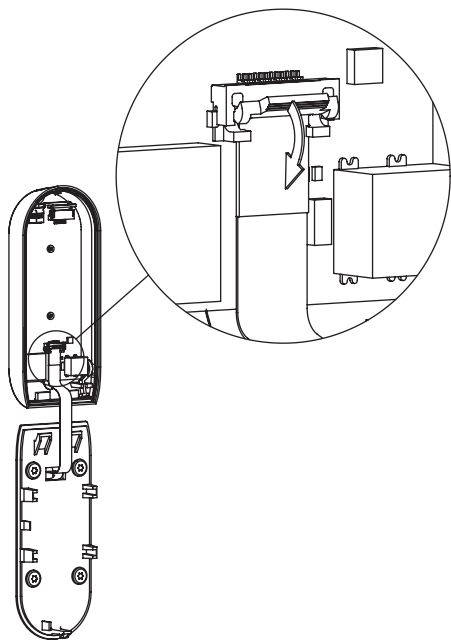




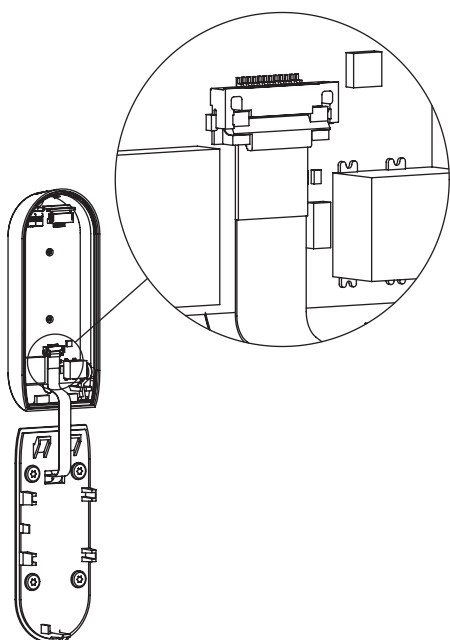




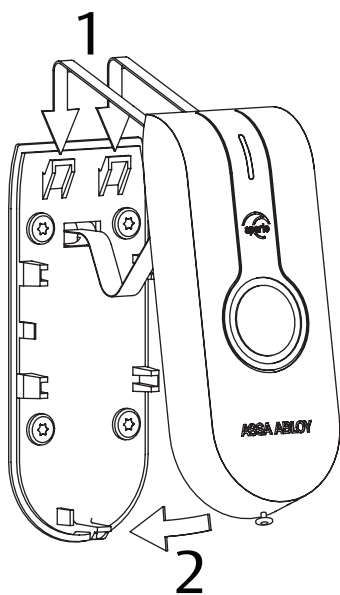
8A + 6B



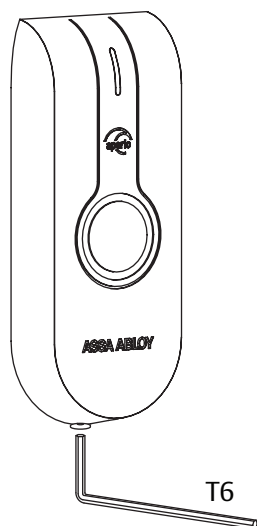
9A + 7B



10A + 8B

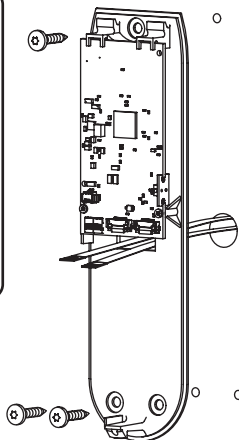
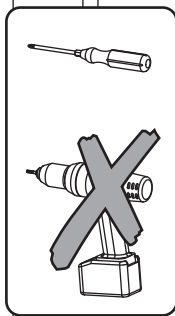
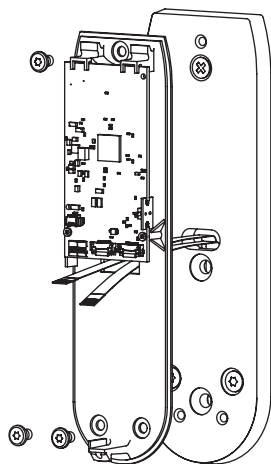


11A + 9B



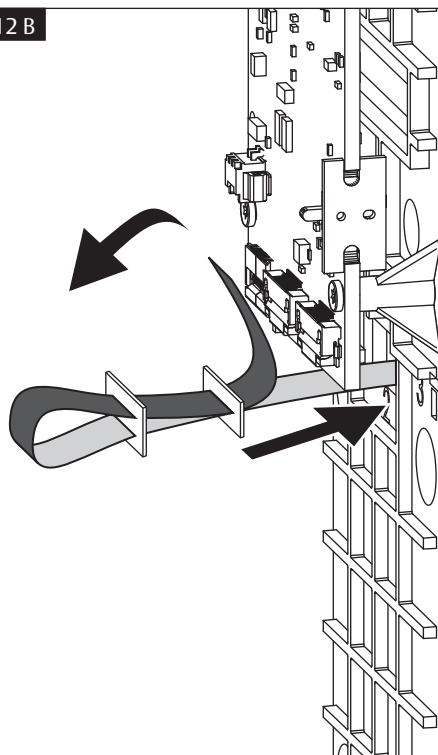
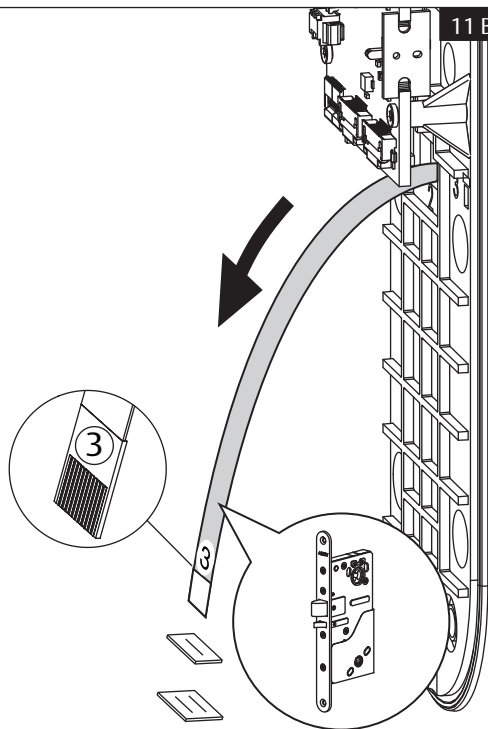
12 A

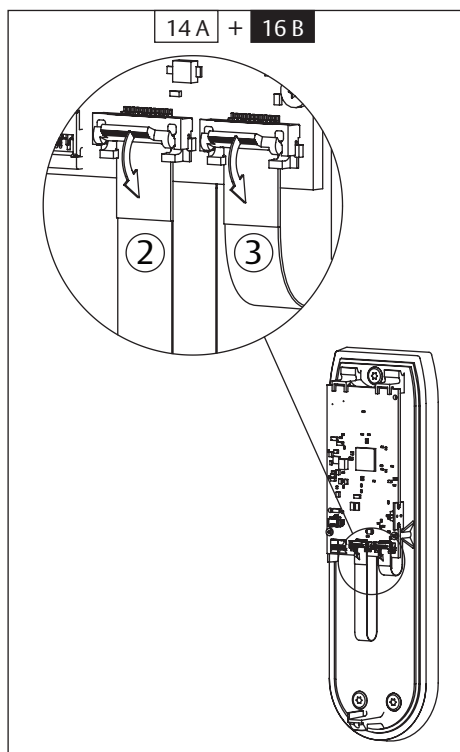
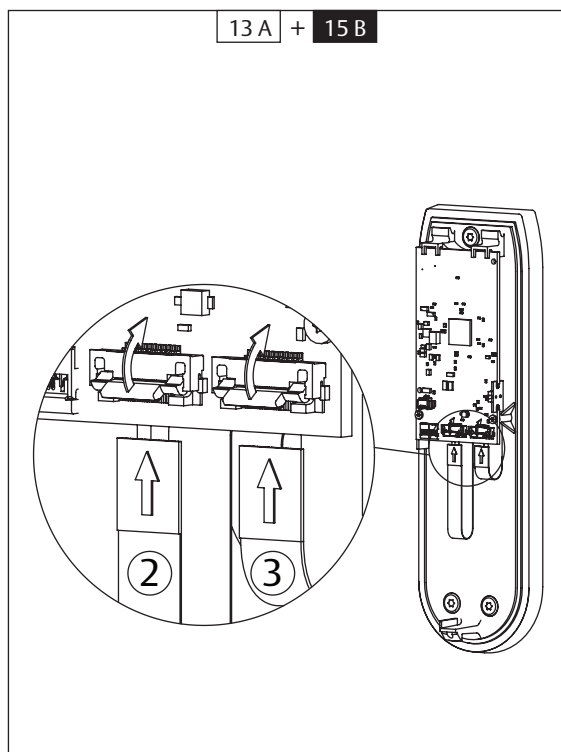
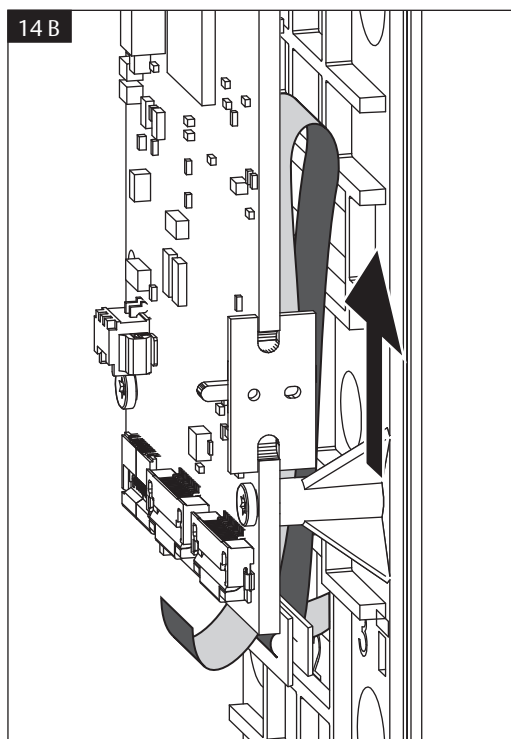
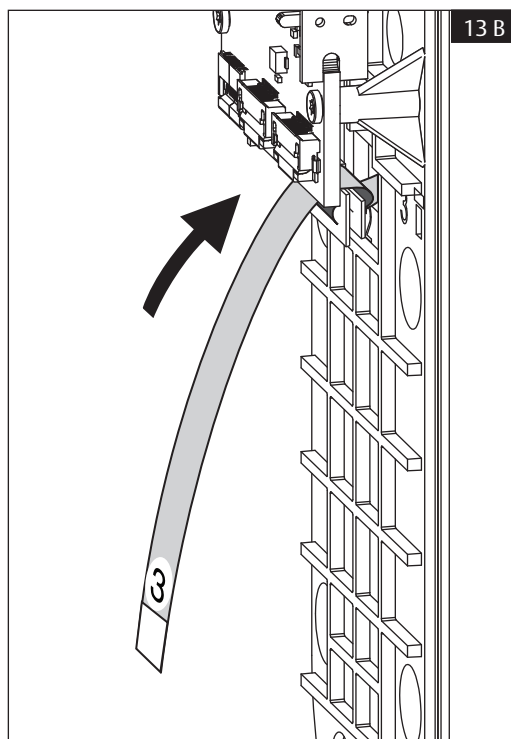
10 B



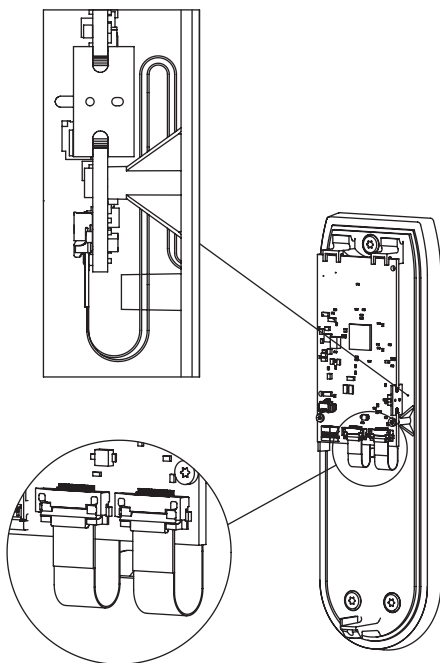
11 B

12 B

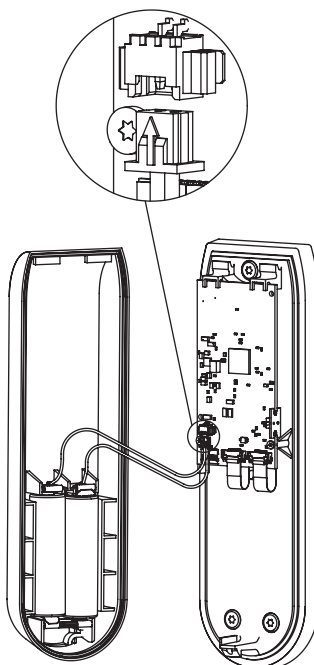




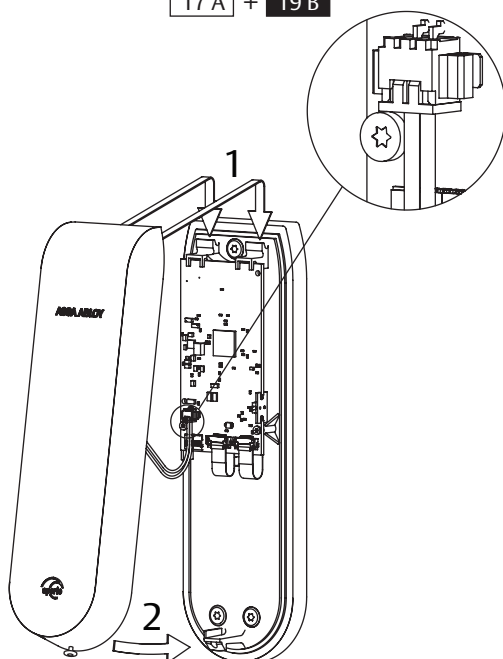
15 A + 17 B



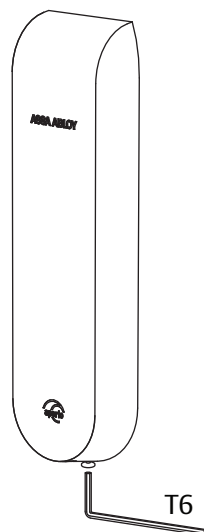
16 A + 18 B

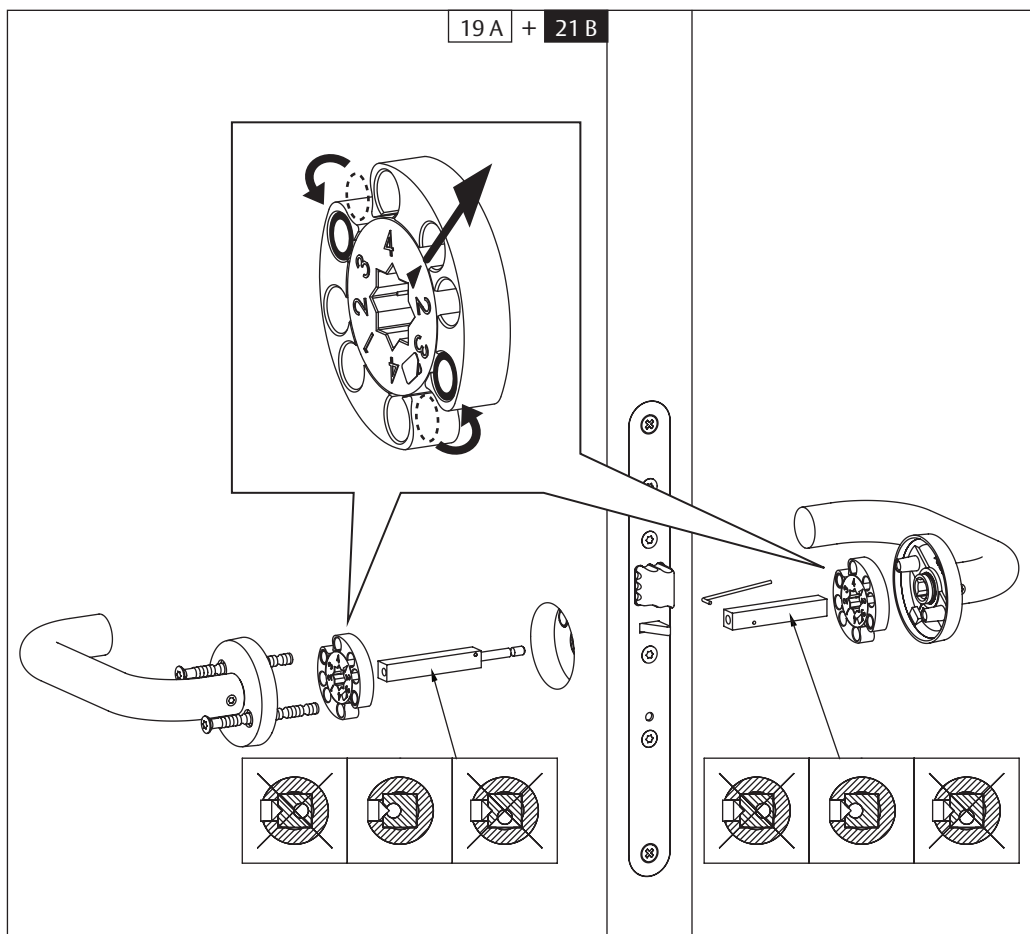


17 A + 19 B



18 A + 20 B





Selectable functions of the lock case:

Mechanical functions

- opening directions of trigger bolt and latch bolt
- bolt throw (14 mm / 20 mm EL580, EL582)
- controlled side (EL580, PE580)

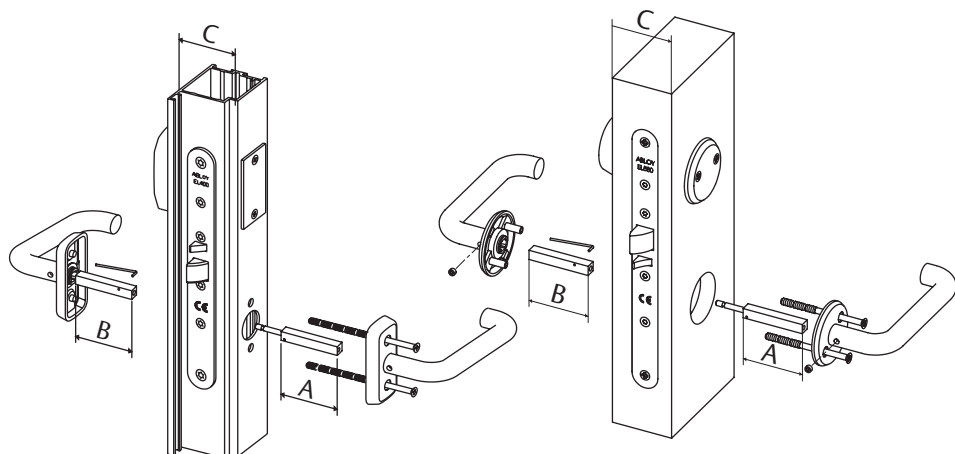
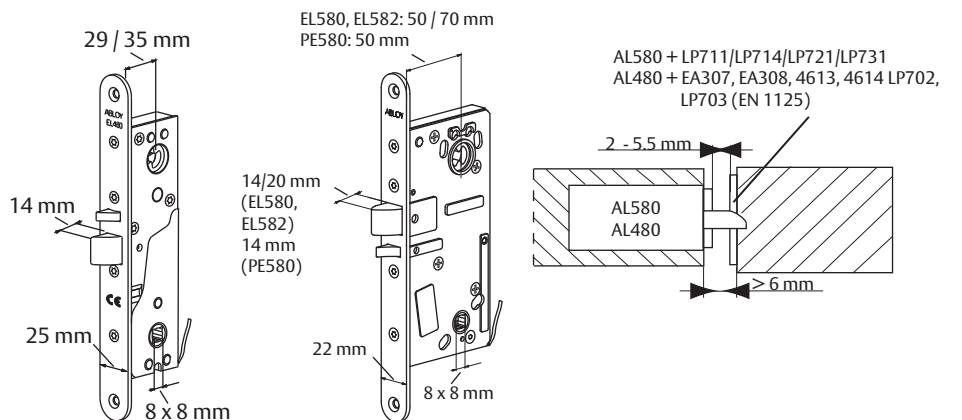
Electrical function

- power on -> controlled handle opens the lock
- or
- power on -> controlled handle does not open the lock

The lock can always be opened with the handle on the active side (EL580, PE580).

- Indications:
- deadlock status of latch bolt
 - indication of handle operation

Use handles with return springs on both sides of the door.
In fire doors please use 14mm bolt throw (factory setting 20 mm).

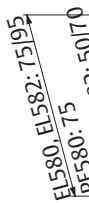
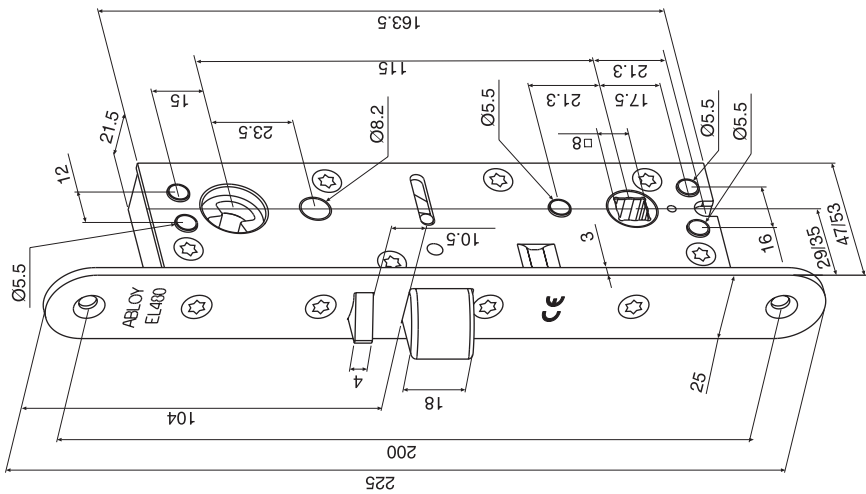


C	A(IN)	B(OUT)		
40 - 54 mm	47 mm	50 mm	8 mm	EA288 001000
47 - 66 mm	57 mm	50 mm	8 mm	EA288 002000
61 - 80 mm	67 mm	60 mm	8 mm	EA288 003000
66 - 80 mm	74 mm	50 mm	8 mm	EA288 004000
88 mm -	120 mm	120 mm	8 mm	EA288 005000
70 - 87 mm	90 mm	50 mm	8 mm	EA288 006000

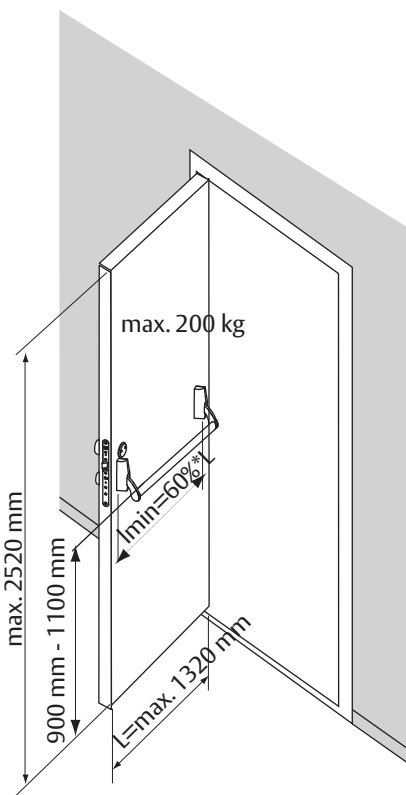
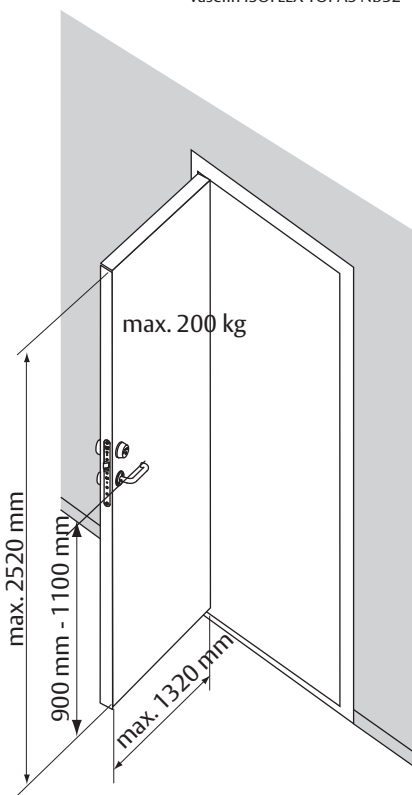
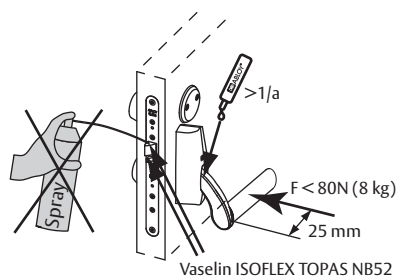
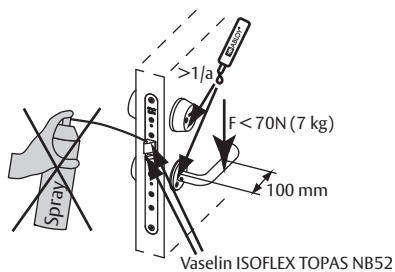
EN 179: 2008	3 7 6 B 1 3 4 2 A B/D	Exit
EN 61000-6-1:2007		EMC
EN 61000-6-3:2007		EMC
EN 12209: 2004		Mechanical strength



EL580, EL582: 75 | 95
DE580: 75
DE582: 50 | 70

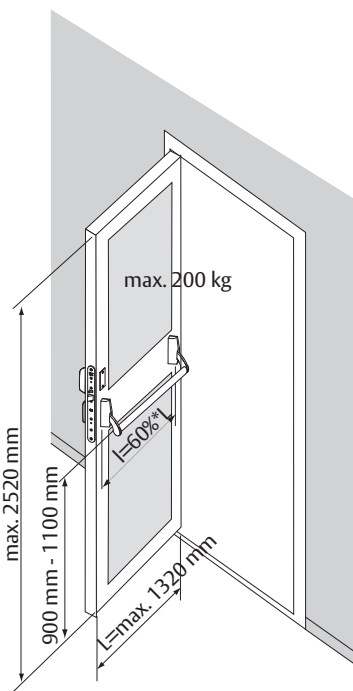
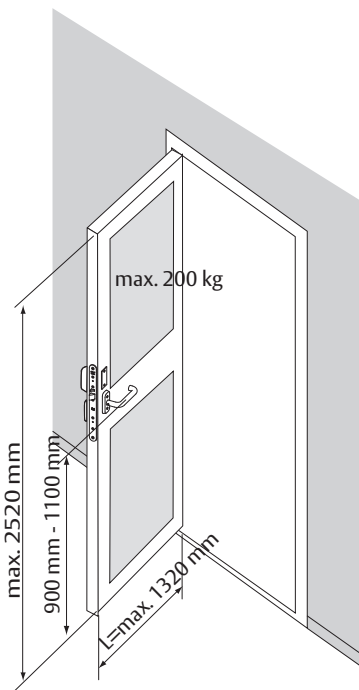
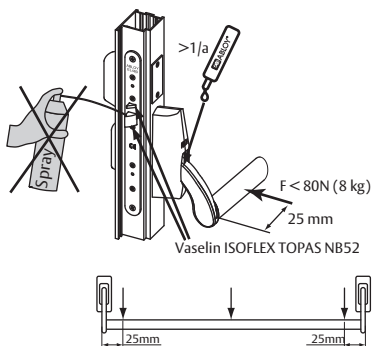
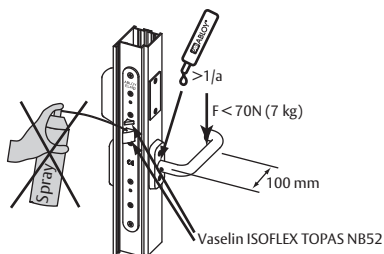
[illegible]

EN 179								EN 1125
EL580								PE580
3-20/032	3-19/032	3-19k/032	13/032	3-20/052	3-19/052	3-19k/052	13/052	PBE001



The safety features of this product are essential to its compliance with EN 179/EN 1125. No modification of any kind other than those described in these instructions, are permitted.

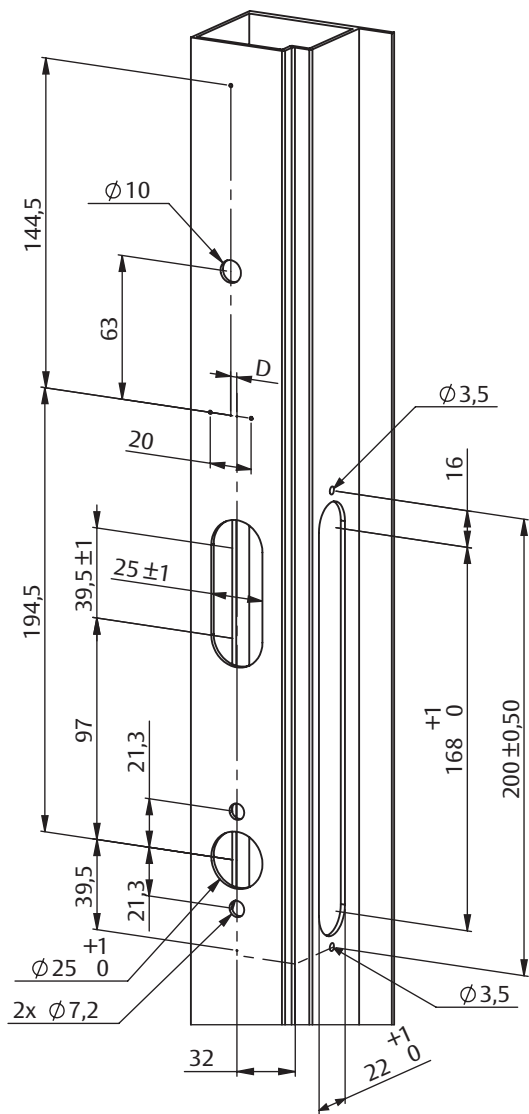
EN 179					EN 1125
EL480					EL480
3-20/0645	3-20/0650	3-19/0650	3-19k/0650	13/0650	PBE001 + LP702



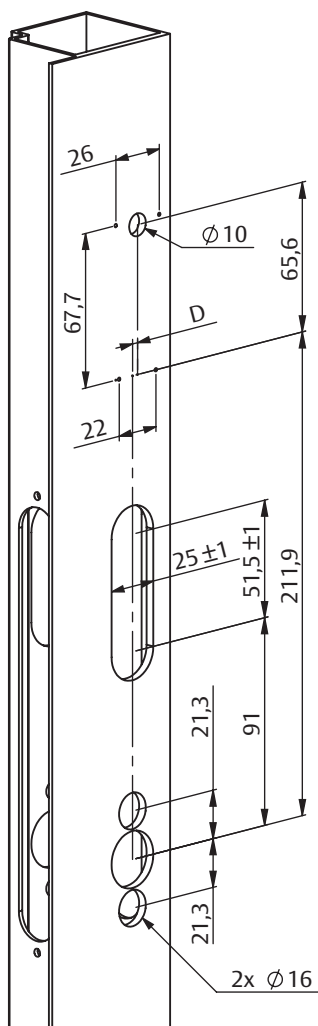
Tämän tuotteen standardin EN 179/EN 1125 mukainen vastaavuus edellyttää ehdottomasti, että sen turvalaitteisiin ei tehdä mitään muita kuin tässä ohjevihkossa sallittuja muutoksia.

DRILLING SCHEME

AL480



Inside

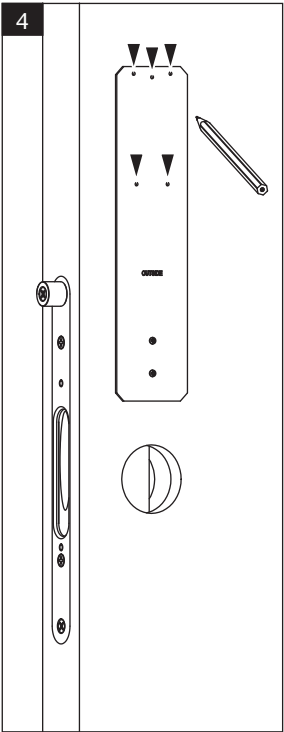
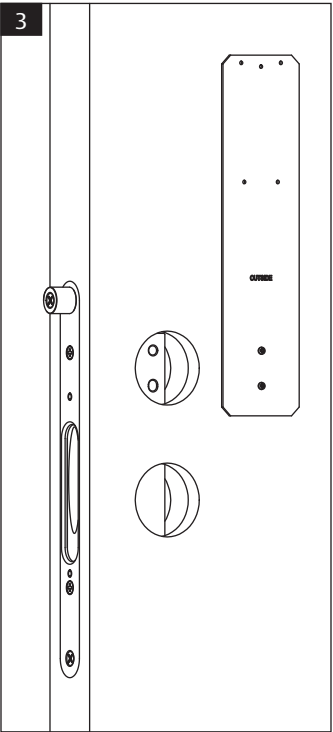
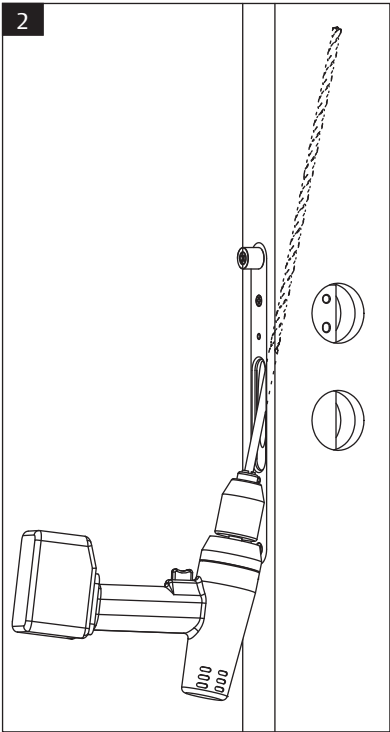
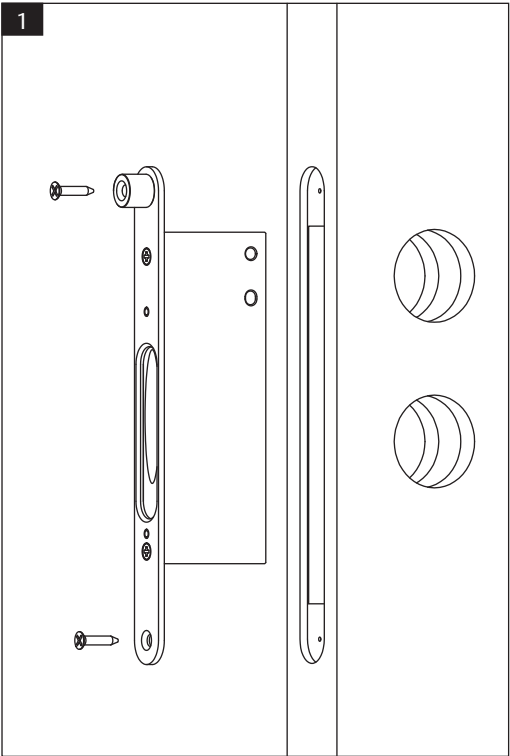
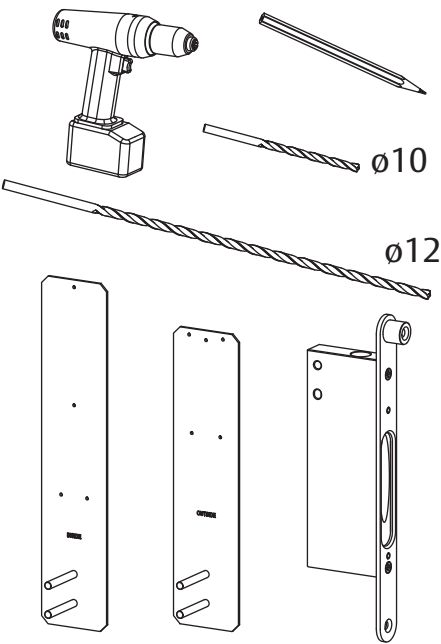


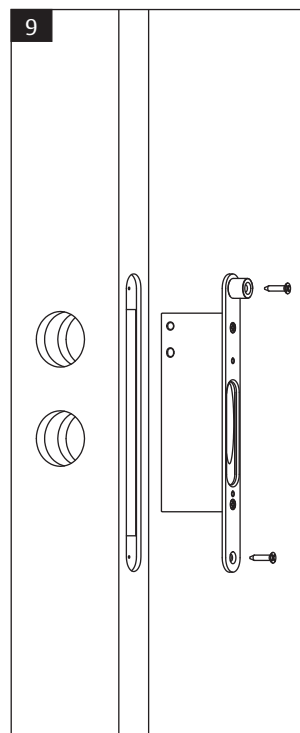
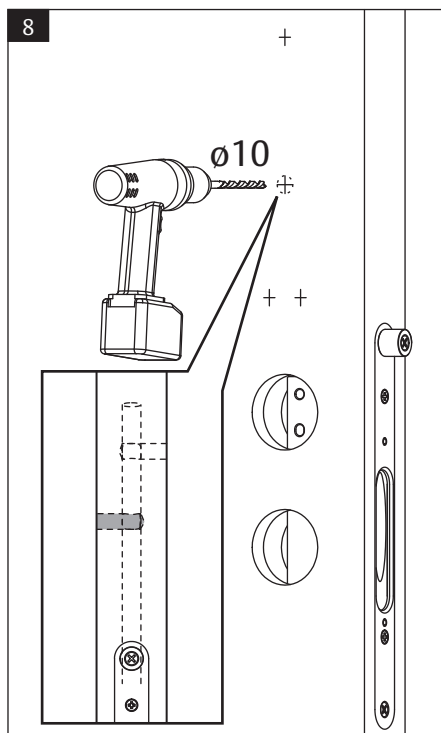
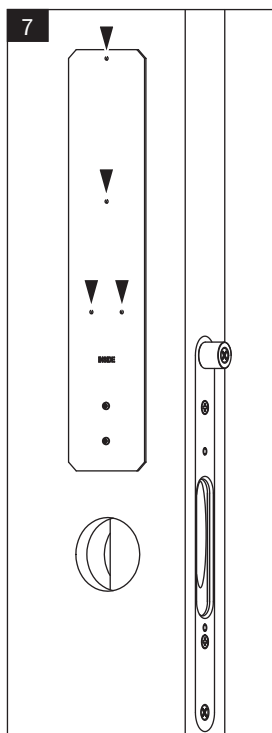
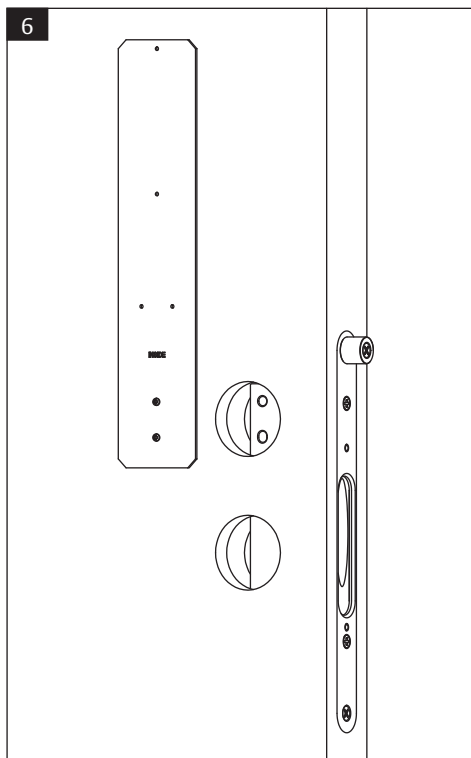
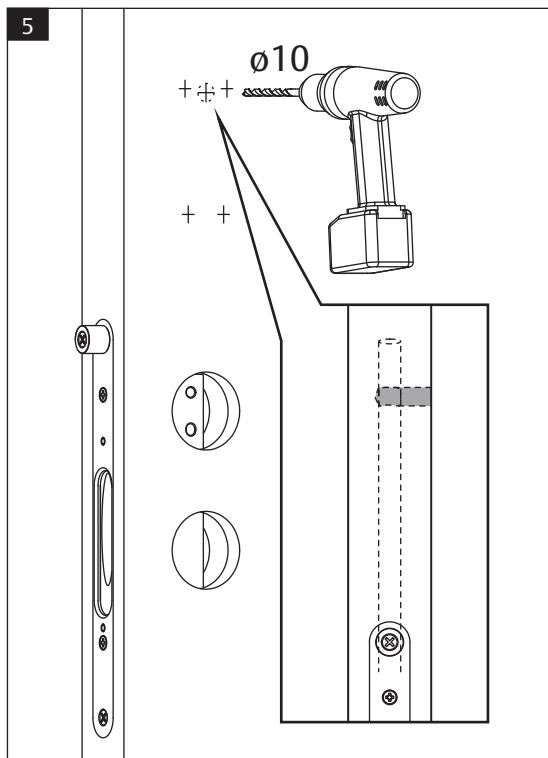
Outside

D: Depends on door frame profile.

Inside

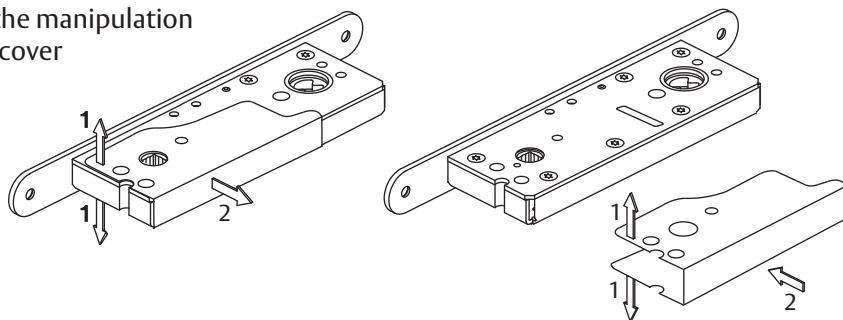
DRILLING



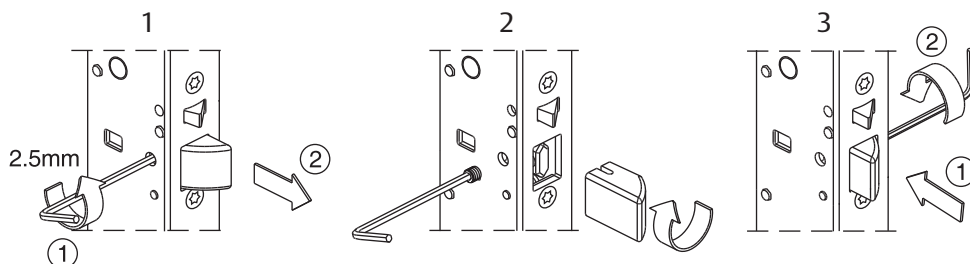


EL480

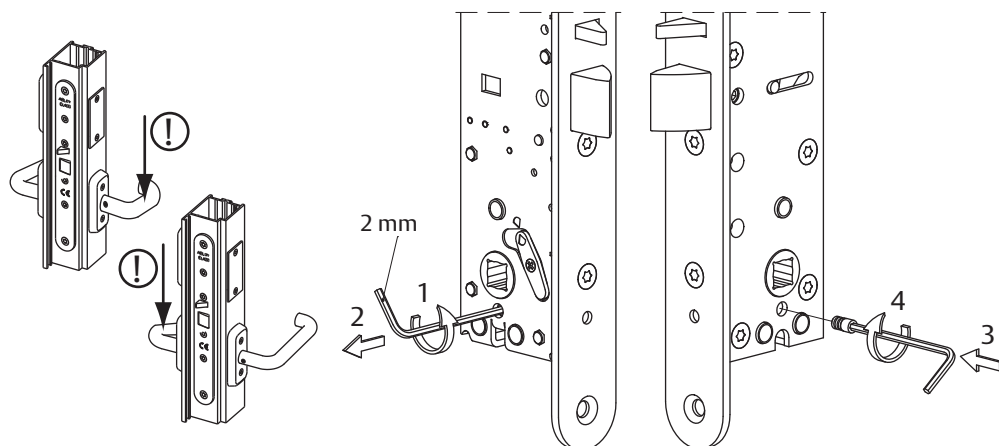
Removing the manipulation
protection cover



Changing the handing of the bolt



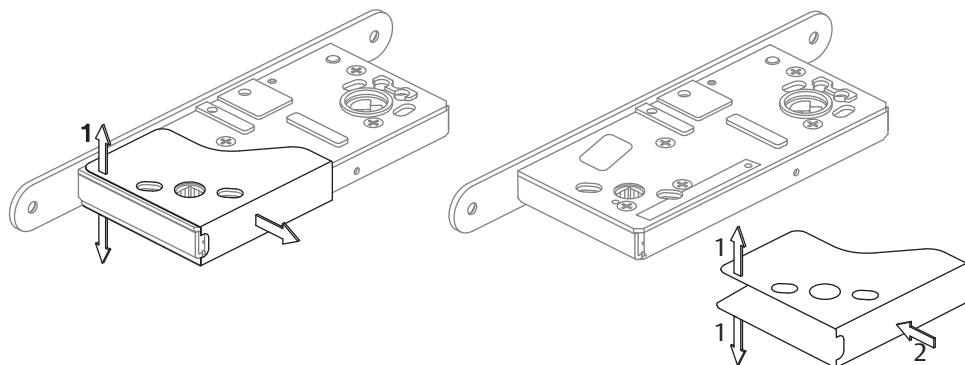
Setting the exit handle side



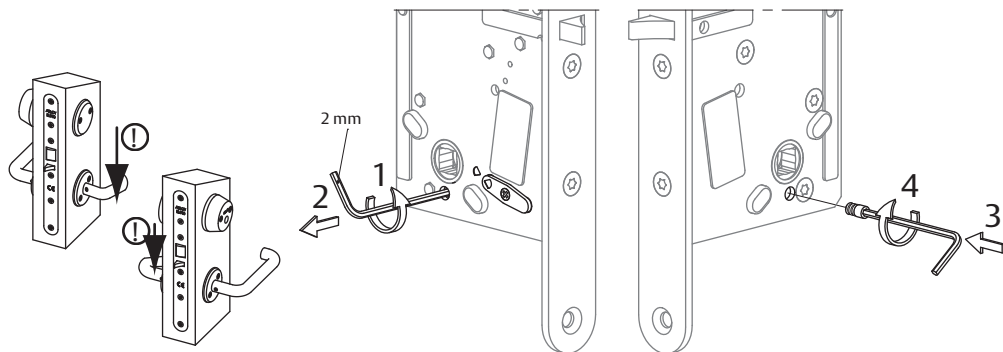
The handle, of the side where Allen screw is fixed, always opens the lock, while the handle of the other side is controlled electrically.

AL580

Removing the manipulation protection cover

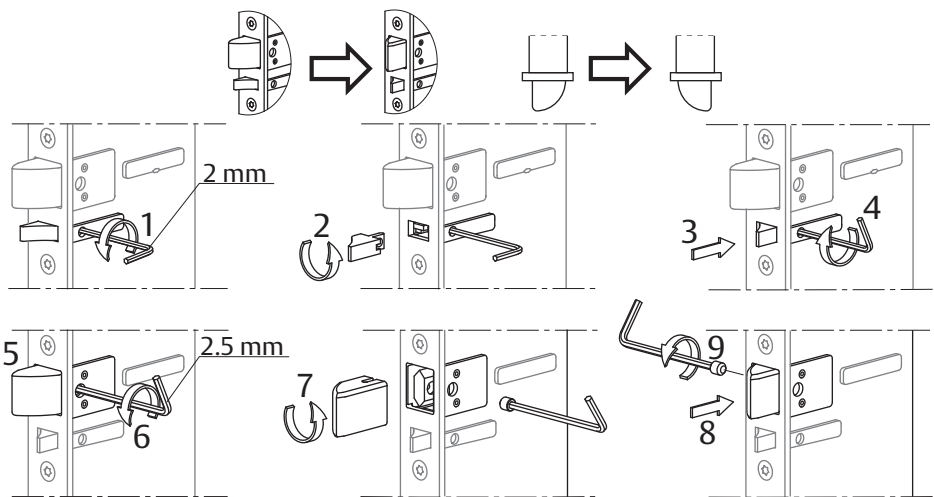


Setting the exit handle side

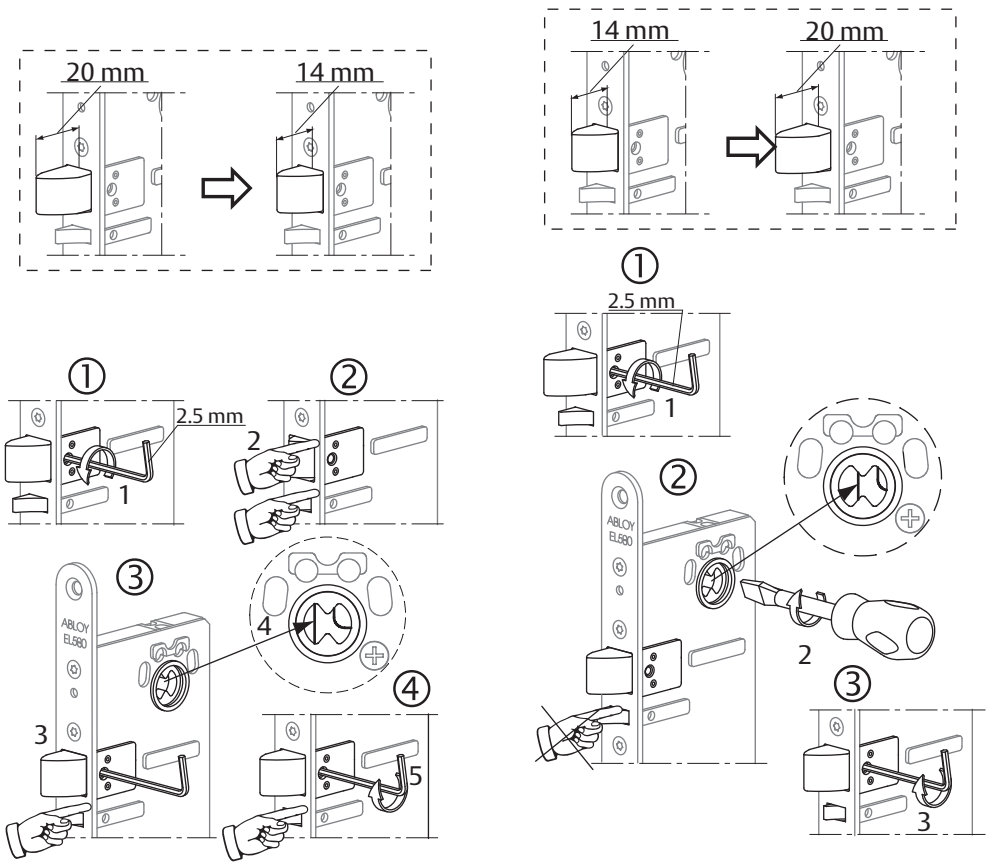


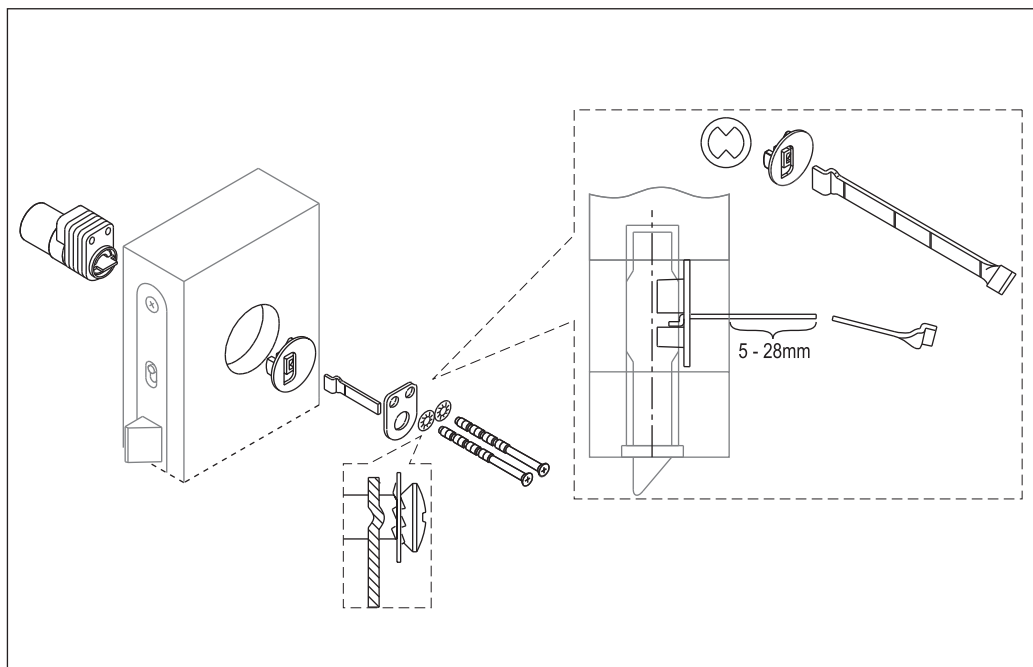
The handle, of the side where Allen screw is fixed, always opens the lock, while the handle of the other side is controlled electrically.

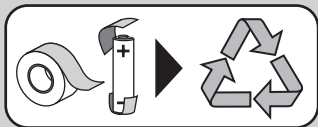
Changing the handing of the bolt



Changing the bolt throw







This product contains materials, such as electronics, which require specialist recycling techniques. When the product is taken out of use, disassemble it and sort and recycle the different materials as per valid recycling instructions.

ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience.

ASSA ABLOY

Abloy Oy
P.O.Box 108
80101 Joensuu
FINLAND
Tel.: +358-20 599 2501
Fax: +358-20 599 2209

www.assaabloy.com