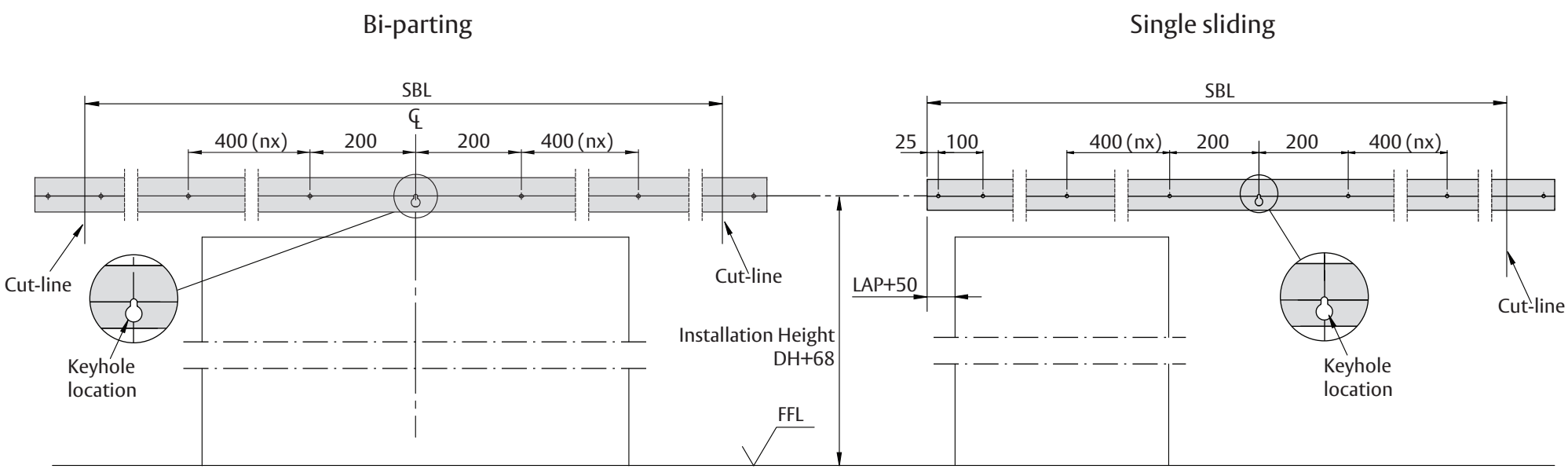
Installation of support beam



SBL = Support beam length
FFL = Finished floor level
LAP = Overlap (door leaf vertical profile)
DH = Door leaf height (including door adaptor height)
COW = Clear opening width

Installation of support beam

Recommended support beam length (SBL):
Bi-parting doors: 2COW + 2LAP + 100
Single sliding door: 2COW + 2LAP + 100
Note!
Divide the over-length as shown in the picture above if need.
Drill new fixing holes (dia. 7 mm) after cutting, 25 mm from the end.

Determine the installation height from the highest point of the finished floor as follows:

a. Measure the door leaf height (DH) including the door adapter, installation height = DH + 68 mm.
b. Mark and drill for the key hole to the support beam. Tap or plug and apply the screw.
c. Hang up the support beam in the keyhole and tighten gently.
d. Make sure that the support beam is level.
e. Mark the rest of the fixing holes using the beam as a template.
f. Drill the holes, tap or plug them.
g. If the wall is uneven, compensate by hanging spacers around the screws before they are tightened.
h. Fix the support beam using screws.
i. Clean the support beam and sliding track thoroughly.
Note! The height of the screw head must not exceed 6.5 mm.

Installation movie
https://s3m.io/ZPUmx

© ASSA ABLOY Entrance Systems AB, 2022
Technical data subject to change without notice.

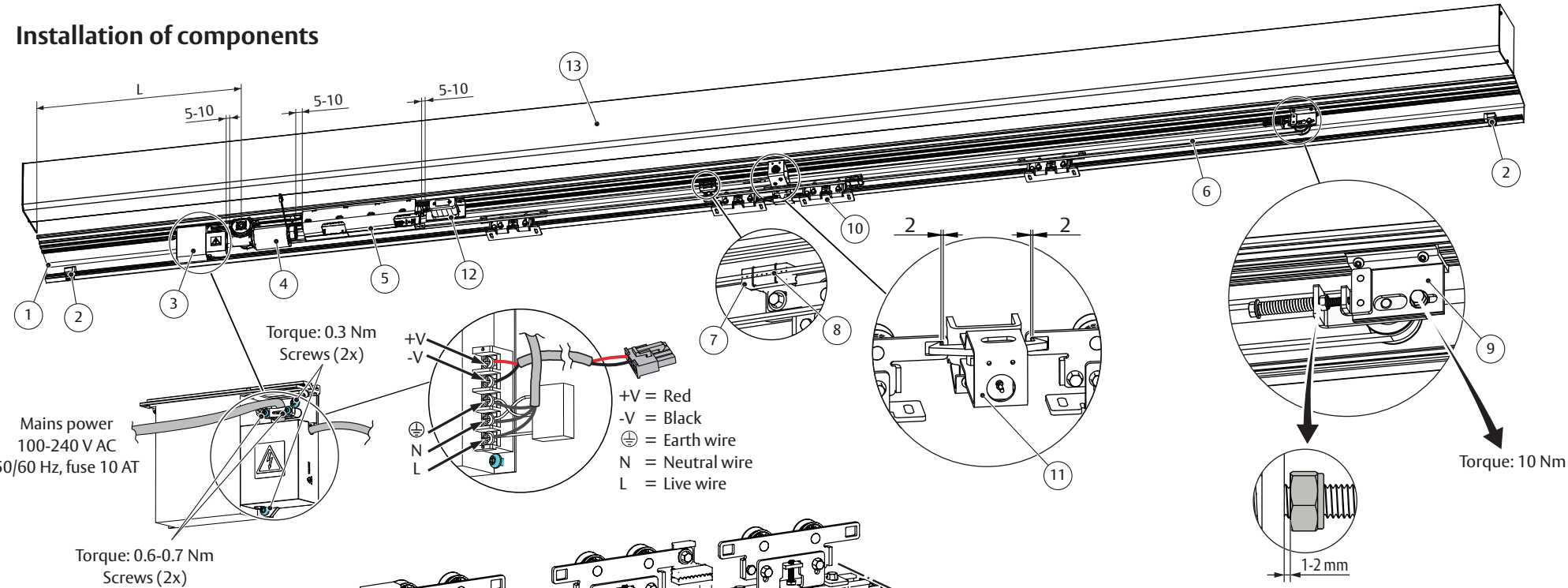
Quick Start

ASSA ABLOY SL300

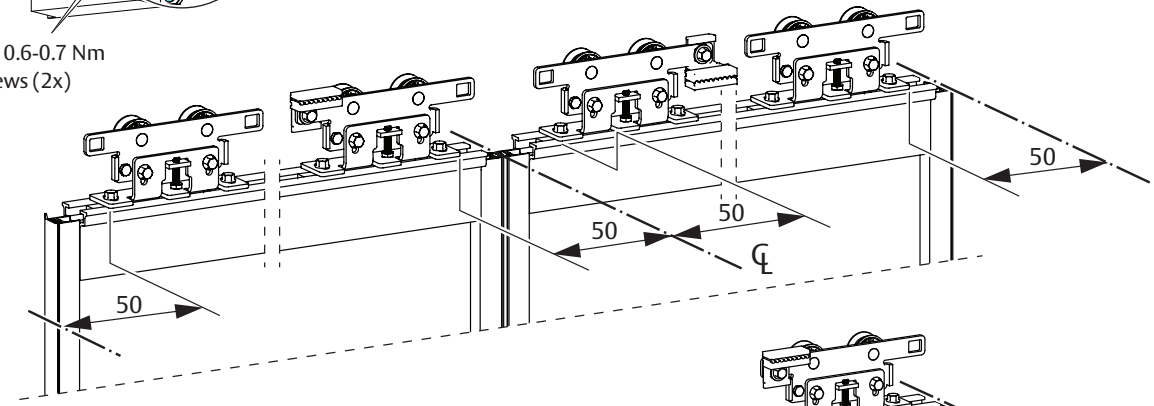
ASSA ABLOY

6.0 | 1021463-en

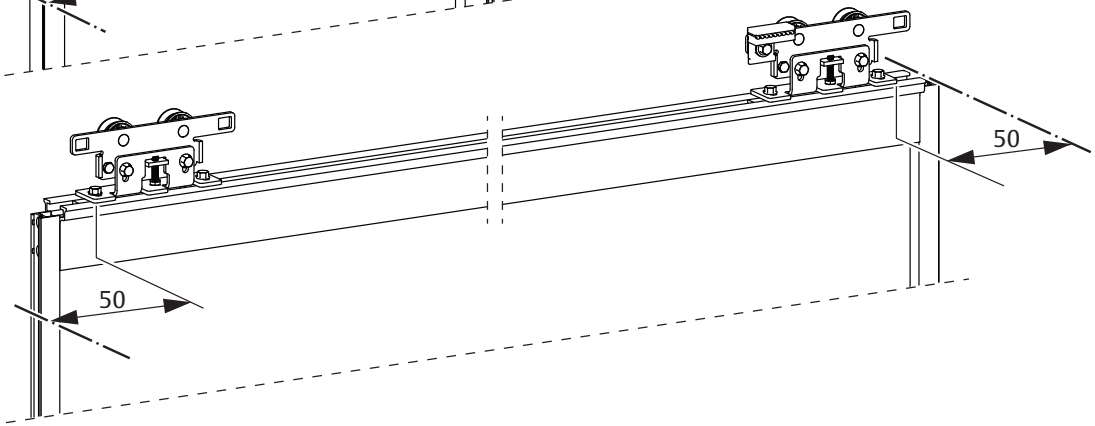
Installation of components



Bi-parting



Left/Right opening



	Parameter setting
Bi-parting	12=01
Left opening	12=01
Right opening	12=00

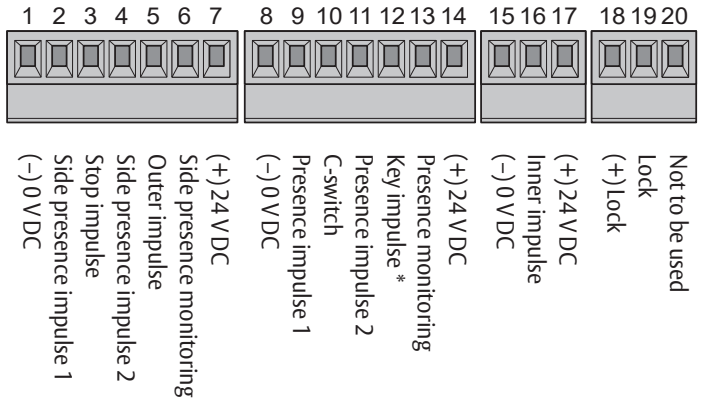
	SBL (mm)	L (mm)
Bi-parting	3000 < SBL < 4200	460
	SBL < 3000	310
Single sliding		340

Part indentification

Pos.	Description
1	Support beam
2	Door stop
3	Power supply unit
4	Drive unit
5	Control unit
6	Tooth belt
7	Belt fitting
8	Belt securing clip
9	Tension wheel
10	Door carriage
11	Lock (option)
12	Battery (option)
13	Cover (option)

1021463-en

CU connection

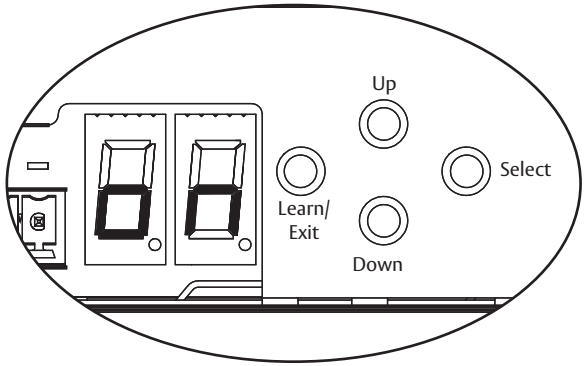


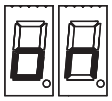
* Key impulse can generate a battery wake up if mains power is off and battery is fitted.

Error description and remedies

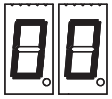
Detailed error	Reason	Remedies
E1 31 Side Presence Impulse Error	The control unit does not get a test answer from the activation unit.	Make sure that the monitoring output is connected and the connections are OK.
		Replace the side presence activation unit.
E1 32 Presence Impulse Error	The control unit does not get a test answer from the activation unit.	Make sure that the monitoring output is connected and the connections are OK.
		Replace the presence activation unit.
E2 21 Battery Error	The battery voltage drops due to low capacity.	Charge or replace the battery.
E2 25 Battery Error	The battery is disconnected or short circuited.	Make sure that the cables are OK and connected.
		Charge or replace the battery.
E3 22 24 V Over Current Error	The auxiliary 24 V output is overloaded.	RESET, and if the problem remains, check the connected sensors.
E4 03 Encoder Error	The encoder, encoder cable, or motor cable is damaged.	Make sure that the encoder cable and the motor cable are connected.
E4 04 Motor Current Error	The motor cable or the encoder cable is damaged.	Make sure that the encoder cable and the motor cable are connected.
E4 09 Encoder Cable Error	The encoder cable is damaged.	Make sure that the encoder cable is connected, otherwise replace the encoder cable.
E7 16 Motor Temperature High	Motor Temperature High	If the motor is warm, put the door in operation mode OPEN and wait for at least 1 minute. Reduce Speeds and increase Hold Open Time parameters.

Setting of parameters

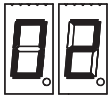




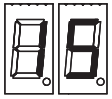
a. Initial status.



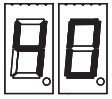
b. Press “Select” button, the display will show the first parameter “00”.



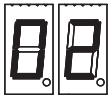
c. To step between the different parameters push the “Up” or “Down” buttons.
For example, step to parameter "02" - High Speed Closing.



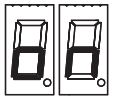
d. Push the “Select” button again, the value of the selected parameter will be shown, for example “15”.



e. By pushing “Up” or “Down” buttons, the value can be adjusted within an allowed range, for example “40”.



f. By pushing the “Select” button, the value “40” is selected.
By pushing the “Learn/Exit” button, the value will be unchanged (in this case back to 15).
The display will return to show present parameter “02”-High Speed Closing.



g. Repeat steps c, d, e, f to change the other parameters value. When all changes are done push the “Learn/Exit” button to leave the parameter selection. The display will then show 'on'.

1021463-en

Description of parameters

No.	Parameter	Range	Description
00	High Speed Opening	10-70	Sets the maximum opening speed. Unit cm/s.
02	High Speed Closing	10-70	Sets the maximum closing speed. Unit cm/s.
03	Hold Open Time	00-60	The general hold open time for Inner and Outer impulses. Unit seconds.
04	Key Hold Open Time	00-60	Hold open time for Key impulse. Unit seconds.
05	Lock Configuration		
	No Lock	00	No Lock
	LDP	01	Not to be used.
	LD	02	Not to be used.
	LDP LE	03	LDP LE = Locked with power.
	LD LE	04	LD LE = Locked without power.
06	Lock release		If "Lock Release" is On, the door will apply force in the closing direction when the lock is unlocking. This is made to prevent a lock from being stuck in locked position when opening. Should be set to On when an electromechanical lock is installed.
	Off	00	
	On	01	
07	Presence Impulse 1 Configuration		This parameter determines if a presence impulse is normally open (NO) or normally closed (NC).
	NO	00	Normally open
	NC	01	Normally closed
08	Presence Impulse 2 Configuration		This parameter determines if a presence impulse is normally open (NO) or normally closed (NC).
	NO	00	Normally open
	NC	01	Normally closed
09	Presence Impulse Monitoring		
	No monitoring of precense impulse	00	Set to "00" if no monitoring of Presence impulse sensors is required or if no presence impulse sensors are installed.
	Presence impulse 1	01	Set to "01" if one Presence impulse sensor shall be monitored (if only one sensor is used this sensor has to be connected to MCU TB:9, Presence impulse 1).
	Presence impulse 1 and 2	02	Set to "02" if two Presence impulse sensors shall be monitored.
10	Battery Monitoring		The battery will be tested by shutting of the power to the MCU and open the door with the battery.
	Off	00	
	Convenience Monitoring	01	Will test the battery every 23 Hour. If the test fails the operator will indicate empty battery.
11	Partial Open Position	00-99%	Sets the partial open size.
12	Opening Direction	00-01	
	CW	00	Motor is running in clockwise direction.
	CCW	01	Motor is running in counterclockwise direction.
15	Run Program	01-05	Performance adjustment.
	Smooth	01	For light doors.
	Max Performance	05	For heavy doors.
20	Partial Hold Open Time	00-60	Hold open time for Inner & Outer impulses with operation mode selection PARTIAL. Unit seconds.
27	Side Presence Input 1 Configuration	00-01	This parameter determines if the side presence input 1 is normally open (NO) or normally closed (NC).
	NO	00	Normally open
	NC	01	Normally closed

No.	Parameter	Range	Description
28	Side Presence Input 2 Configuration	00-01	This parameter determines if a side presence impulse is normally open (NO) or normally closed (NC).
	NO	00	Normally open
	NC	01	Normally closed
29	Side Presence Impulse monitoring		
	No monitoring of Side Precense impulse	00	Set to "00" if no monitoring of Side Presence impulse sensors is required or if no Side Presence impulse sensors are installed.
	Side Presence impulse 1	01	Set to "01" if one Side Presence impulse sensor shall be monitored (if only one sensor, it has to be connected to MCU TB:2, Side Presence impulse 1).
	Side Presence impulse 1 and 2	02	Set to "02" if two Side Presence impulse sensors shall be monitored.
2A	Side Presence Function	00-01	
	Safe Speed	00	
	Stop Door	01	
30	Side Presence Activation Distance	00-99	
		00	If value 00 is selected side presence impulse is valid from fully closed to fully open position.
		01-99	Unit dm.
38	Convenience Battery	00-01	When this parameter is set to On (01), with a 24V (UPS) battery the operator will continue its normal operation in case of mains power failure. Monitoring will be made if parameter 10 is set to Convenience Monitoring (01). Not approved in escape routes!
	Off	00	
	On	01	
41	Battery Type	00-02	What type of battery that is mounted in the operator is identified during the Learn.
	No battery	00	
	12V	01	
	24	02	
43	Opening Delay For Lock	00-99	The time for opening is delayed (0.0-9.9 sec) after an opening impulse is given in operation mode selections OFF and EXIT.
45	Stop Function	00-01	When this parameter is set to On (01) the Stop impulse is enabled, otherwise it is disabled.
	Off	00	Stop impulse disabled.
	On	01	Stop impulse enabled.
46	Stop Configuration	00-01	Configuration of the Stop impulse. Choose between normally open (NO) or normally closed (NC) Stop impulse.
	NO	00	Normally open
	NC	01	Normally closed
49	Opening Max Force	02-19	The force applied from the operator to the door leaf during opening. Unit N x10.
4A	Close Kick Force	00-19	The force applied from the operator to the door leaf during the close kick. Unit N x10.
50	Closing Max Force	02-19	The force applied from the operator to the door leaf during closing. Unit N x10.
67	Door Type	00-01	
	Single sliding	00	
	Biparting	01	
68	Door weight	01-40	Will be estimated during the Learn but can also be altered manually. Unit kg x 10.
69	Friction	00-99	The friction when moving the door is automatically measured during a Learn. Unit N.

1021463-en