



Hänel Installation Instructions

Door position switches with sliding door closed

Lean-Lift

Multi-Space

Contents

1. General instructions.....	3
2. Installation Requirements.....	4
3. Installation instructions:.....	5
4. Removal.....	7
5. Annex.....	8

1. General instructions

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Caution

These Installation Instructions are intended for specially trained and authorised technicians employed by the Hänel factory or by Hänel representatives.

All safety instructions and general instructions provided in the corresponding Operating Manual "MANL-LL" or "MANL-MS" and in the corresponding Installation Instructions "INST-LL-S" or "INST-LW" or "INST-MS" for the Lean-Lift or Multi-Space must be followed at all times.

In addition, the "Safety Rules & Requirements" provided in the Memorandum for Technical Field Service "SICHA" and the "Safety Rules" from the Training of Auxiliary Personnel for Technical Field Service "SICHK" must be observed!



Intended use

The "Door position switches with sliding door closed" are intended for bypassing the safety light barriers or safety light barrier with the supplementary feature "Second safety circuit with sliding door closed" or "Shelf transport" in conjunction with the supplementary feature "High-speed door".

NOT for the supplementary feature "Lift run with sliding door closed only".

Only for Lean-Lift with type width ≤ 3260.

Any other use shall be considered non-compliant use.



Hänel Installation Instructions

Door position switches with sliding door closed

Lean-Lift Multi-Space

2. Installation Requirements

1. Before starting the installation, secure the extractor, or cross-member with extractor, against descending or falling.



DANGER

The extractor or cross-member with extractor is a suspended load that can fall.
Therefore, whenever working inside the lift, you have to lower it to ground level.
If this is not possible, you have to secure them using the locking device. (See operating manual "MANL-LL", Work inside the lift by authorised personnel - Securing the extractor or operating manual "MANL-MS", Work inside the lift by authorised personnel - Securing the cross-member with extractor).

2. Switch off the main switch (Q2) and secure it from being switched on again using a padlock.



DANGER

Risk of electrocution!

SAFETY INSTRUCTIONS



The lift must be de-energised before work begins.

- Switch off main switch (Q2).
- Secure the main switch (Q2) from being switched on again.
- Verify that the lift has been de-energised.
- Cover or block off neighbouring live parts. (External voltage source for multi-unit network)

3. Before entering the inside of the lift, lock the actuator of the safety switch on the service door (S3) with a padlock.



SAFETY INSTRUCTIONS

Secure the actuator latch!

Before all work, secure the actuator latch of the service door from being switched on again using a padlock.

Hänel Installation Instructions

Door position switches with sliding door closed

Lean-Lift
Multi-Space

3. Installation instructions:

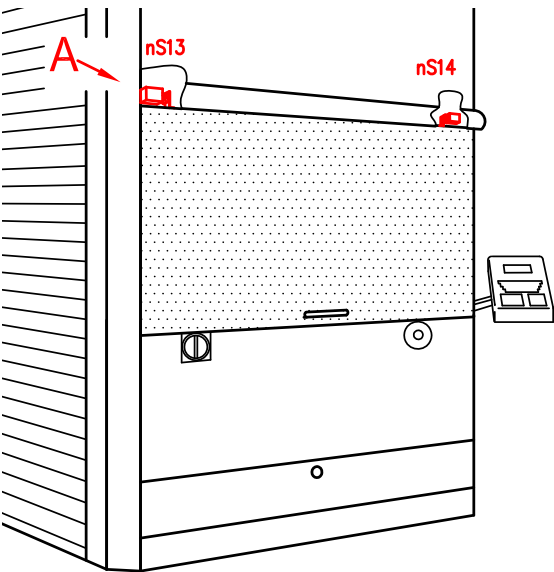
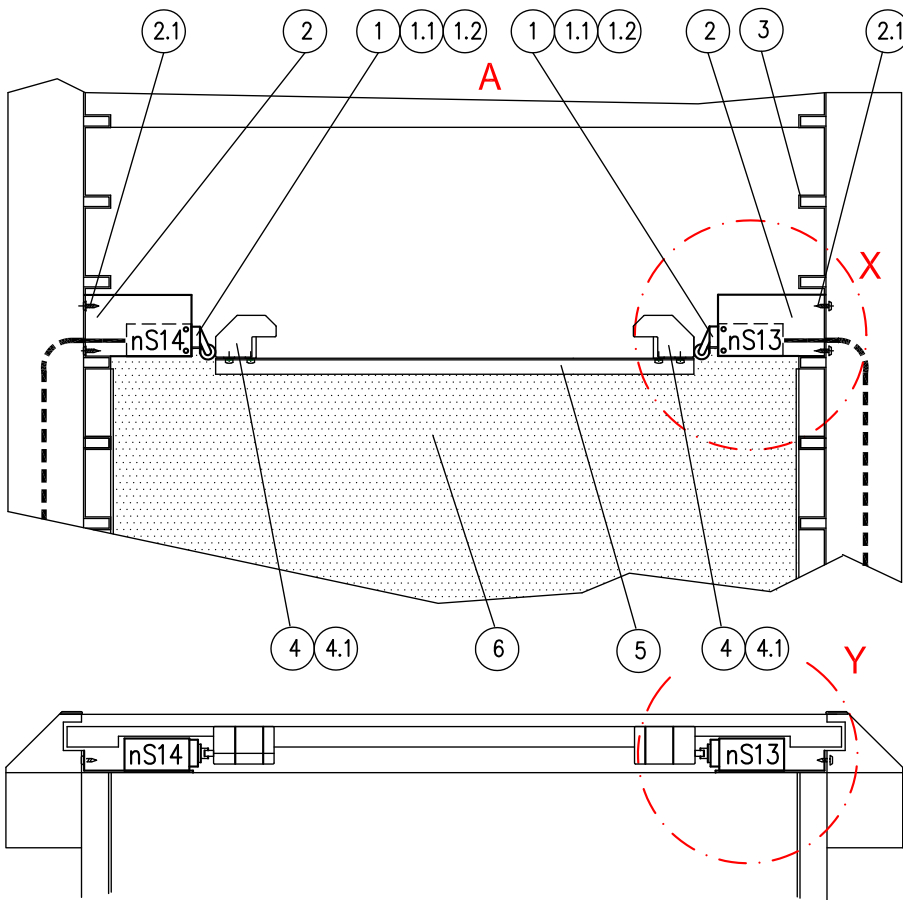


Fig. 1: Overview of the installation position of the door position switches nS13, nS14



Item	Description
1	nS13: Door position switch 1 "Door closed" nS14: Door position switch 2 "Door closed"
1.1	Socket head cap screw DIN 912 /ISO 4762 - M4x30 (4x) Washer ISO 7089 -4, galvanised (4x)
1.2	Hex nut ISO 4032 - M4 (4x)
2	Mounting bracket
2.1	Sheet-metal screw with pin DIN7981 /ISO7049 - St 3.9x16 (4x) Washer ISO 7089 -4 galvanized (4x)
3	Side part with sliding door guide
4	Actuating element
4.1	Sheet-metal screw with pin DIN7981 /ISO7049 - St 3.9x16 (4x)
5	Upper edge of sliding door
6	Sliding door (closed)

Fig. 2: Overview of door position switches (View A from Fig. 1, top view)

Hänel Installation Instructions

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Lean-Lift
Multi-Space

3. Installation instructions: (continued)

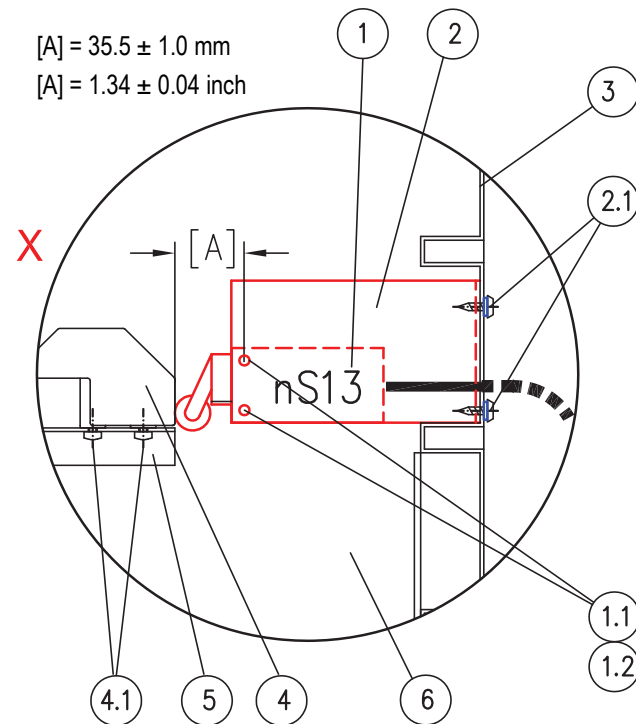


Fig. 3: Detail X

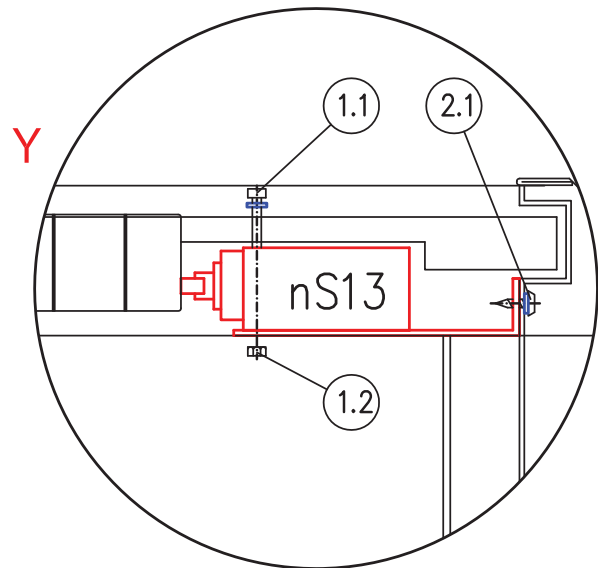


Fig. 4: Detail Y

Step	Task	Note / illustration
1	Fasten the actuating elements (<i>item 4</i>) on the left and right on the top edge of the sliding door (<i>item 5</i>) so that they are flush, using 2 screws for each (<i>item 4.1</i>).	See Fig. 2, 3, 4
2	Fasten the mounting bracket (<i>item 2</i>) to the left and right sliding door guide (<i>item 3</i>) using 2 screws (<i>item 2.1</i>) for each, so that the door position switches switch with the sliding door closed.	See Fig. 2, 3, 4
3	Fasten the door position switches (<i>item 1</i>) to the mounting bracket (<i>item 2</i>) using 2 screws, washers (<i>item 1.1</i>) and nuts (<i>item 1.2</i>) for each. Observe dimension [A].	See Fig. 3
4	Route the cables according to the cable routing diagram	See "CABLELL1" and "CABLELL2" for Lean-Lift See "CABLEMS1" for Multi-Space
5	Connect the door position switches according to the circuit diagram and terminal plan.	See page 3 of the circuit diagram (one access point, second safety circuit) or page 4 - 4Z2 See terminal plan X2.n
6	Check the function of the door position switches by opening and closing the sliding door.	

4. Removal

1. Before starting the removal, secure the extractor, or cross-member with extractor, against descending or falling.



! DANGER

The extractor or cross-member with extractor is a suspended load that can fall.

Therefore, whenever working inside the lift, you have to lower it to ground level.

If this is not possible, you have to secure them using the locking device. (See operating manual "MANL-LL", Work inside the lift by authorised personnel - Securing the extractor or operating manual "MANL-MS", Work inside the lift by authorised personnel - Securing the cross-member with extractor).

2. Switch off the main switch (Q2) and secure it from being switched on again using a padlock.



! DANGER

Risk of electrocution!

SAFETY INSTRUCTIONS



The lift must be de-energised before work begins.

- Switch off main switch (Q2).
- Secure the main switch (Q2) from being switched on again.
- Verify that the lift has been de-energised.
- Cover or block off neighbouring live parts. (External voltage source for multi-unit network)

3. Before entering the inside of the lift, lock the actuator of the safety switch on the service door (S3) with a padlock.



Secure the actuator latch!

Before all work, secure the actuator latch of the service door from being switched on again using a padlock.

4. To remove the door position switches, follow the reverse order of steps as that described previously in Chapter 3.

5. After removal, dispose of the structural components in an environmentally responsible manner (see Installation Instructions "INST-LL-S" or "INST-LW" or "INST-MS", Disposal instructions).



5. Annex

Revision notes

- | | |
|--|------------|
| Last issue dated: | 2006-11-02 |
| • Added disposal | |
| | 2007-04-10 |
| • Chapter 3 with sliding door guide | |
| | 2007-08-20 |
| • Screws revised | |
| | 2008-08-13 |
| • New actuating element and fastening screws | |
| | 2009-09-10 |
| • Safety notes, screws updated | |
| | 2017-09-08 |
| • Screws and screw attachment revised | |

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