2-POST-LIFT
TW250W-400-G
(Lifting capacity: 5000 kg)

TW250W-G

INSTALLATION, OPERATION AND MAINTENANCE MANUAL

Always read these operating instructions carefully before operating the lift. Follow the instructions carefully.

Table of contents

Further attachment:

- **EU Declaration of Conformity**
- **CE Declaration of Conformity (for wireless module)**

Important information:

PRODUCT PRESENTATION

You can find the product presentation video for this lift on YouTube:
https://youtu.be/pzIPAyFOzNM
or scan the QR code.

TIPS & TRICKS

In the "Tips & Tricks" section, we show you simple solutions in videos to work even more efficiently with your TWIN BUSCH® products. Our technical specialist explains the exact steps to take.

https://www.twinbusch.co.uk/Tips-Tricks:_:74.html

24/7 Service Center:

Our 24/7 Self-Service Centre is a mobile website for self-diagnosis of problems with your TWIN BUSCH® lift, tyre changer or balancer. Here we offer you an extensive collection of videos covering a wide range of topics relevant to your TWIN BUSCH® product, from fine adjustment to maintenance and component replacement.

The 24/7 Self-Service Centre is a versatile tool that helps you learn how to maintain and repair your TWIN BUSCH® lift, tyre changer or balancer yourself.

To open the page on your mobile device, please visit twinbusch.com/qr or scan the QR code opposite.

For TWIN BUSCH® lifts delivered from mid-2020, you will also find the QR code on a sticker on the control box.

1. General

The new Heavy-Line **TW250W-G** lift with 5.0 t lifting capacity and symmetrically telescoping double-jointed support arms in M-support arm design is a powerful powerhouse in the 2-post range.
Thanks to its extremely wide adjustment range, everything from small cars (e.g. Smart) to vans, even with a long wheelbase (e.g. MB Sprinter, motorhomes, special vehicles) can be lifted without any problems.

With two operating units (one per column) and two independent hydraulic units, the TW250W-G is particularly easy to operate and can be easily adapted to the requirements of the workshop in terms of installation width (4028 mm or less).

As an outstanding highlight, the individual lifting columns communicate with each other completely wirelessly via a secure radio link. They are conveniently controlled via operating units on both columns with monitoring and display of the lifting height in real time.

There is also a practical plug-in adapter holder on the outside of each column, which provides space for the safe storage of two plug-in adapters.

Special features of the product:

- **Top built quality with CE-certificate**
- Manufactured according to **ISO 9001**
- Protective cover in front of the pillars
- Lifting turntables with double thread and anti-rotation protection
- **Automatic electromagnetic release of the safety catches**
- Automatic support arm lock
- High quality powder coating
- 2 hydraulic cylinders for powerful lifting and lowering
- **Synchronisation control via a secure radio connection**
- High-quality support columns made from special rolled profile
- **Symmetrical telescopic double-jointed support arms (M support arms)**
- Emergency lowering function
- Practical height adapter holders (one holder on each side of the column) for two height adapters each
- Motor-Cover included (Stylish design, dust protection and noise reduction)

OPTIONALLY AVAILABLE EXTRAS

We recommend the following **extras** for this lifting platform, such as special adapters in our shop.

https://www.twinbusch.co.uk/2-post-lifts/2-post-lift-6-0-t-HEAVY-LINE::266.html#horizontalTab6

2. Identification of the instructions for use

Operating instructions TW 250W-G

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D-64625 Bensheim

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Internet: www.twinbusch.co.uk
Email: info@twinbusch.co.uk

Status: -06, 01.12.2025

File: TW250W-G_2-Post_Lifts_Manual_uk_06_20251201.pdf

3. Technical data

Power supply (3-phase)	400 V / 50 Hz
Fuse protection	16 A / type C
Lifting capacity CE	5,000 kg
Max lifting height	1900 mm/Ad 2080
Low lifting point	110 mm
Degree of protection	IP 54
Lifting, lowering time (approx.)	60/45 sec.
Motor power	2x 3,5 kW
Weight	950 kg
Noise level	< 70 db
Lifting height (Lifting pad screwed in)	1900 mm
Lifting height (Lifting pad screwed out)	1970 mm
Lifting height (Lifting pad+adapter screwed out)	2000 mm
Overall width / bottom plate (without motor)	4028 mm
Post hight	2912 mm
Required concrete depth (Special solution)	250 mm
Lifting arm length	Max. 1832 mm
Working environment	Working temperature: -15°C to +40°C
	Rel. Humidity: 30 % to 85 %

4. Modification of the product

Improper use, modifications, conversions and attachments of the lift and all its components that have not been agreed with the manufacturer are not permitted. The manufacturer accepts no liability for improper installation, operation or overloading. Improper use also invalidates the CE certification and the validity of the certificate.
If you wish to make any changes, please contact your dealer or the expert staff at TWIN BUSCH® GmbH beforehand.

5. Safety-related information

Read the operating instructions carefully before operating the lift. Keep the instructions in a safe place for future reference. Follow the instructions carefully to achieve the best performance from the machine and to avoid damage due to personal negligence.

Unpack all parts and use the packing list to check that all components are present.

Check all connections and components thoroughly for damage. The lift may only be put into operation if it is in a safe operating condition.

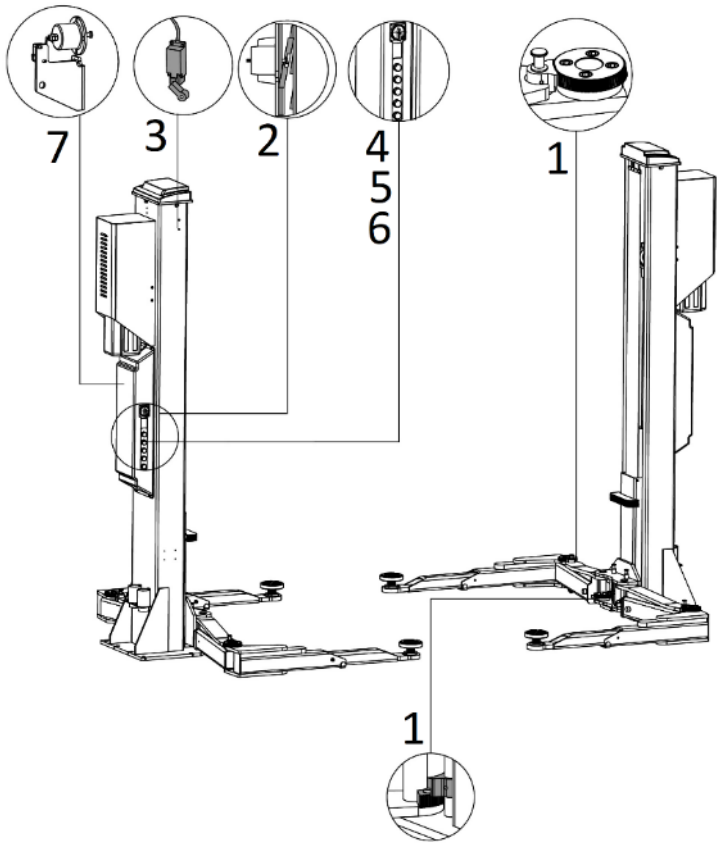
5.1 Safety instructions

- Do not install the lift on an asphalt surface.
- Read and understand the safety instructions before operating the lift.
- Do not leave the control unit under any circumstances when the lift is in motion.
- Keep hands and feet away from moving parts. When lowering, pay particular attention to your feet.
- The lifting platform may only be operated by trained personnel.
- Bystanders are not permitted in the vicinity of the lifting platform.
- Wear suitable clothing.
- The area around the lifting platform should always be kept free of obstructions.
- The lift is designed for lifting the entire vehicle, which does not exceed the maximum authorised weight.
- Always ensure that all safety precautions have been taken before working near or under the vehicle.
- Never remove safety-relevant components from the lift.
- Do not use the lift if safety-relevant components are missing or damaged.
- Do not under any circumstances move the vehicle or remove heavy objects from the vehicle that could cause significant weight differences while the vehicle is on the lift.
- Always check the manoeuvrability of the lift to guarantee its performance.
  Ensure regular maintenance. If an irregularity occurs, stop the work with the lift immediately and contact your dealer.
- Lower the lift completely when it is not in use. Do not forget to disconnect the power supply.
- If you do not use the lift for a longer period of time:
  a. Disconnect the lift from the power source
  b. Empty the oil tank
  c. Lubricate the moving parts with hydraulic oil

Caution: To protect the environment, dispose of the unused oil in the prescribed manner.

The optional special lifting adapters must be used to safely lift transporters. You can find these at www.twinbusch.co.uk.

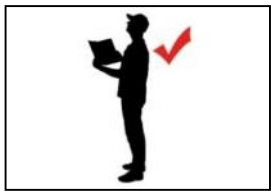
5.2 Monitoring and testing the safety equipment



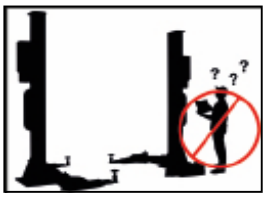
S/N	Security device	Description
1	Locking device for the swivel arm	Make sure that the lifting arms are locked and in the raised position. Position can not swing.
2	Mechanical locking device	Catching and supporting the carriages in the event of a hydraulic failure.
3	Switch for maximum rise	Limit the maximum lifting height of the lifting system.
4	Protective device for the feet	Double lowering button and acoustic warning for the final travel when lowering.
5	Insulation main switch	Disconnect the main power supply when it is switched off.
6	Device for detecting height deviations	Recognise the height deviation. If the deviation exceeds the permissible value, the lift must be stopped and an acoustic warning signal will sound at the column with the greater climbing height.
7	Device for recognising locks	Identify the engagement and disengagement of the mechanical locking unit. The lowering button is deactivated if one of the locks is blocked, which prevents height deviation due to unlocking.
	Contactor monitoring device	Recognise the operating status of both contactors. Disconnect the power supply to the entire lift if one of the contactors is not working properly.
	Overload protection	Prevent the lifting system from being overloaded when lifting from the outset.
	Leakage protection	Prevents the load handling attachments from lowering too quickly in the event of a leak in the hydraulic line.

5.3 Warnings and symbols

All warning labels are clearly visible on the lift to ensure that the user uses the equipment in a safe and appropriate manner.
The warning signs must be kept clean and replaced if they are damaged or missing. Please read the signs carefully and memorise their meaning for future operations.



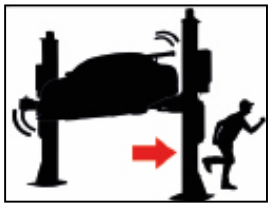
Read Instructions
and safety instructions
carefully before use!



The lift may only be
operated by qualified
personnel!

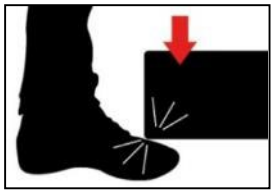
Repairs and maintenance only
by qualified personnel, never
disable safety devices!

Specialist staff only
permitted in the vicinity of
the lifting platform!



Always keep escape routes
clear!

It is forbidden for persons
to stand under the lift
(when lifting or lowering)!



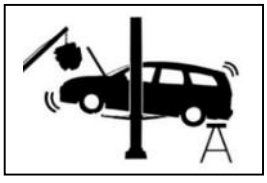
Pay attention to the
lifting arms and don't lower
on to our feet!
Crushing hazard!

It is forbidden for persons
to climb up onto the lift.

Observe the vehicle
manufacturer's mounting
points!

After briefly lifting the
vehicle, check that it is
securely seated!

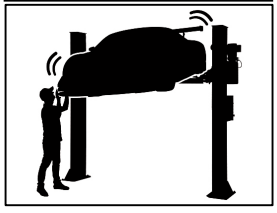
Do not exceed the specified
load capacity!



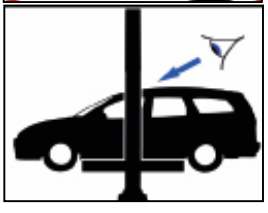
Take care when installing or
removing heavy parts as
this car tip the vehicle over!

Never attempt to load only
one side of the lift!

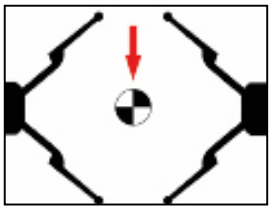
Protect the lift from
moisture!
Electrical connections
must be dry!



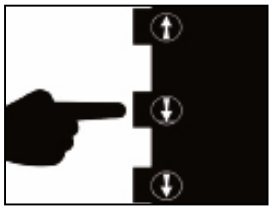
Strong shaking
Avoid shaking to the vehicle!



After briefly lifting the
vehicle a few inches, check
that it is securely seated!



Be sure to check the
Centre of gravity
distribution
pay attention!



Lifting platform to
the lifting in
the safety catches
(Safety Lock).

After a short lift
Support arm lock
check!

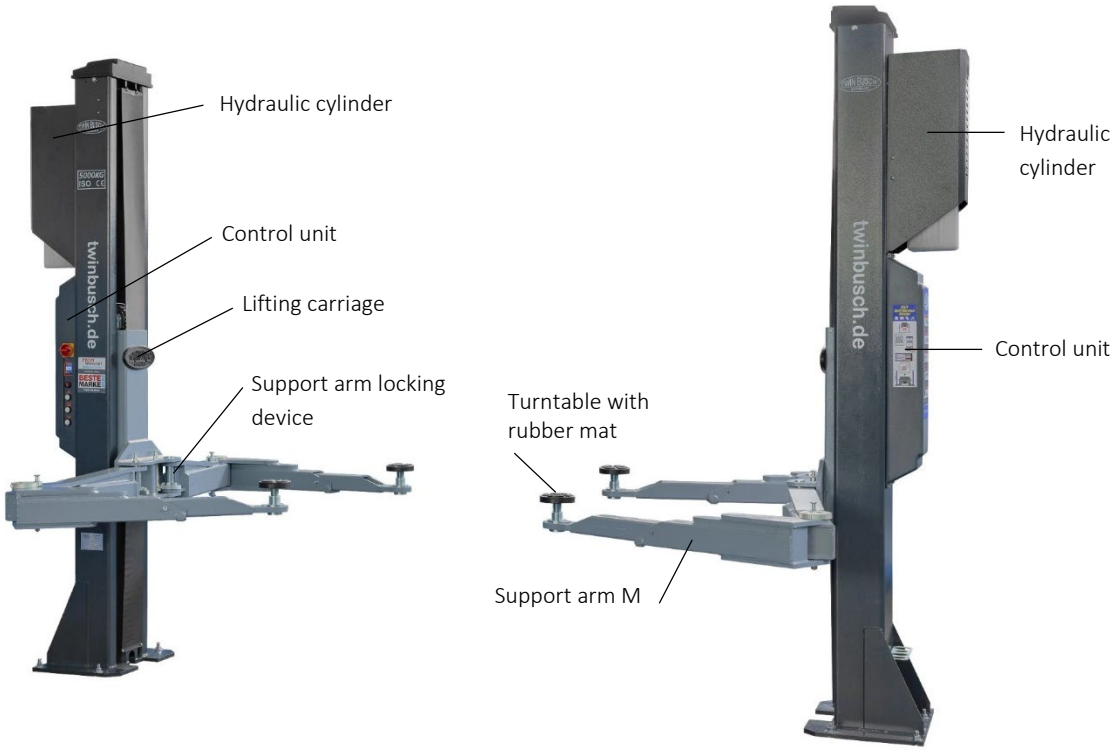
CAUTION!
Electrical voltage!

6. Conformity with the product

The TW250W-G 2-post lift is CE-certified and complies with the Machinery Directive 2006/42/EC and fulfils the standards EN 1493:2022, Safety of machinery EN 60204-1:2018 (look at: EU Declaration of Conformity, at the end of the instructions for use).

7. Technical specification

7.1 Machine description



8. Structure of the lifting platform

8.1 Before installation

Tools and equipment required:

- Suitable lifting equipment (e.g. forklift truck)
- Hammer
- Phillips and slotted screwdriver
- Torque spanner
- Spanner attachments and open-end spanners
- Impact drill
- Levelling device
- Hydraulic oil HLP 32

8.2 Completeness of all components

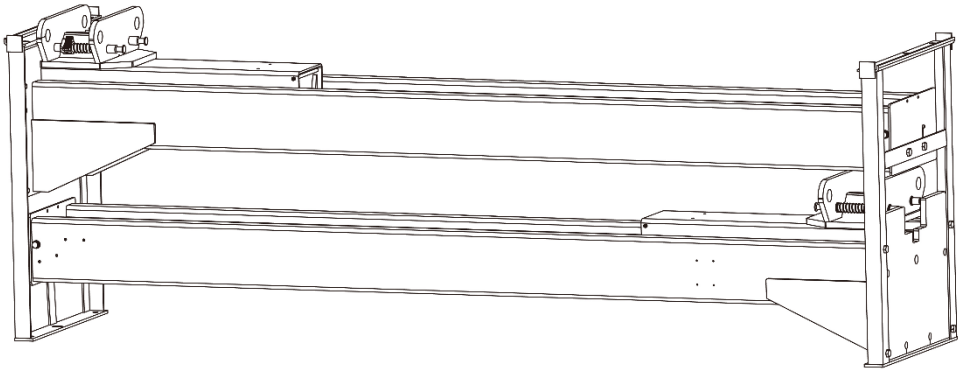
Unpack all components of the lifting platform and check the completeness of all components with the help of the packing list (see **appendix: Packing list**).

8.3 Ground conditions

The lifting platform must be installed on a solid foundation with a compressive strength of more than 3 kg/mm², a flatness of less than 5 mm and a minimum thickness of 250 mm. Detailed information can also be found in the corresponding foundation plan on our homepage at www.twinbusch.co.uk.

Note: If a new concrete floor is to be poured, it must cure for at least 28 days until a lifting platform can be installed.

8.4 Assembly instructions



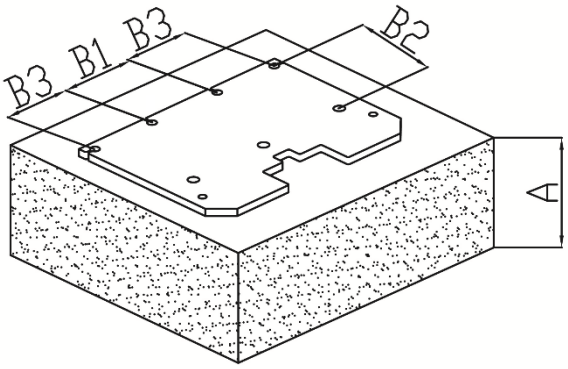
1) Remove the packaging and take out the box containing the accessories. Read and understand the operating instructions before proceeding.

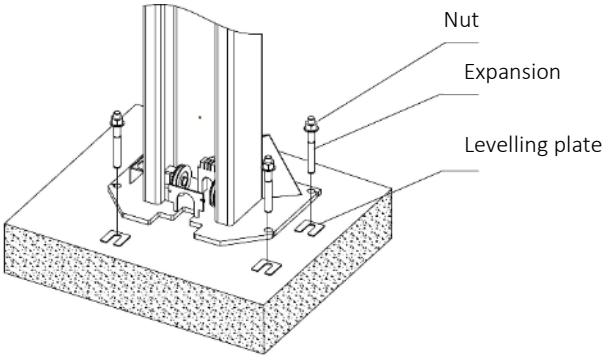
2) Remove the two switch boxes between the columns and put them to one side.
Note: One of the two boxes contains a bag with the four unlocking magnets, the other contains the two draw-wire sensors.

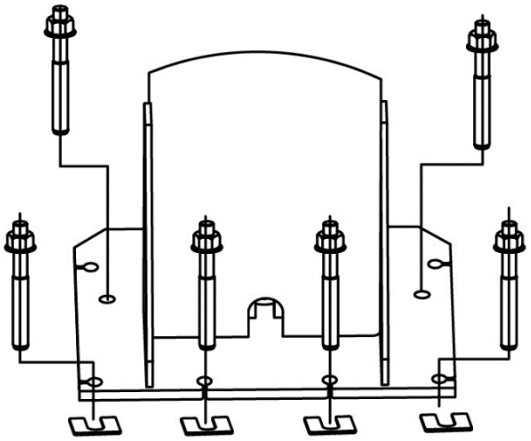
3) First lift one of the two columns using a crane. Due to the weight of the carriage, the centre of gravity is relatively far towards the base of the column. Then remove the screws from the transport frame in order to remove the upper column from it.
Caution: Please take particular care to ensure that the column cannot fall down. The accessories could be damaged or people could be injured.

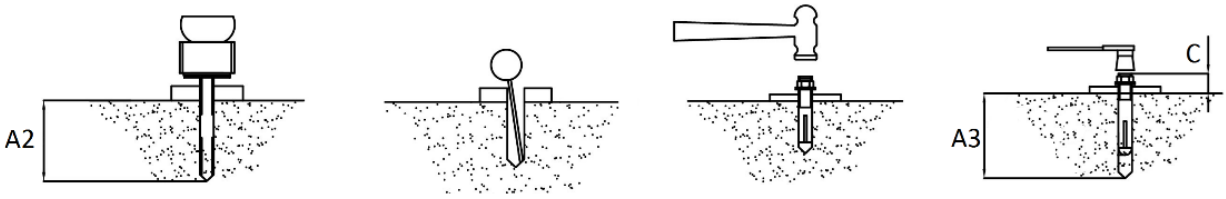
4) Set up the post and secure it.
   a) Check and align the position of the base plates again.
   b) Use suitable means to raise the lifting carriage to the first latching position. All the mounting holes in the base plate are then accessible. Make sure the locking pawl is engaged.
   c) Drill the fixing holes. Remove the drilling dust from the hole.

d) Use a spirit level to check the vertical alignment of the posts. Place equalizing plates under the base plates when it necessary to assure the verticality of the post.
e) Carefully drive in the supplied anchoring bolts straight using a sledge hammer.
f) Tighten the nuts. Torque: 100-110 Nm.



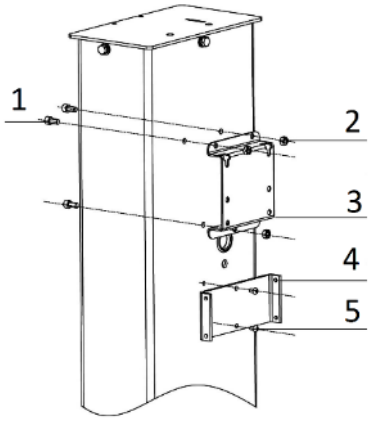




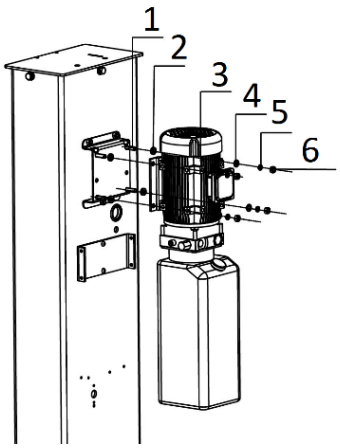


Anchoring bolt	A1 (foundation thickness)	A2 (drilling depth)	A3 (anchoring depth)	B1	B2	B3	C
M16	≥250 mm	160 mm	145 mm	200 mm	240 mm	175 mm	≤55 mm

5) Attach the brackets and install the hydraulic unit.



1 Hex socket screw M10x20
2 Hex nut M10
3 Power supply unit holder
4 Holder for motor housing
5 Hex socket screw with hexagon socket M18x12



1 Hex head screw with full thread M10x35
2 Anti-shock pads
3 Aggregate
4 M10 washer
5 M10 spring washer
6 Hex nut M10

6) Establish the connection between the hydraulic cylinder and the motor unit.
To do this, remove the pre-assembled nut and washer from the hydraulic hose inside the column and insert the angle piece into the hole provided. Then secure it with the nut and washer. Fit the hose loosely at first and then tighten it.

7) Now route the motor cable downwards through the column. The cable is fed through the hole in the inside of the column and then routed safely downwards through the cable ducts.

8) Fit the connections for the two electromagnetic hydraulic valves. These are plugged into the hydraulic block according to the colour marking and secured with a long screw.

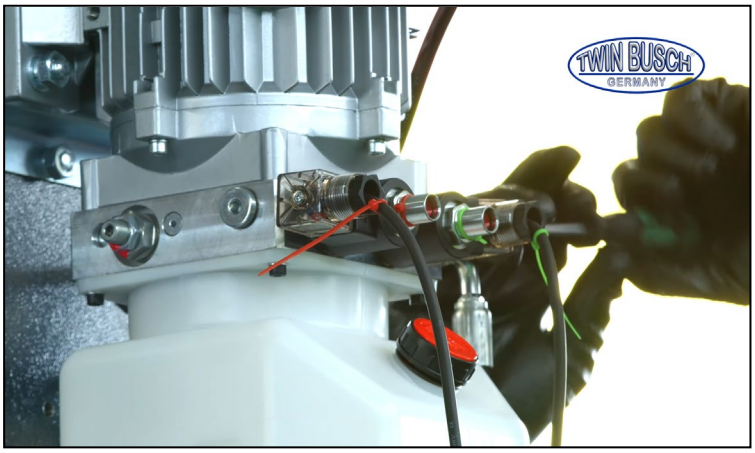


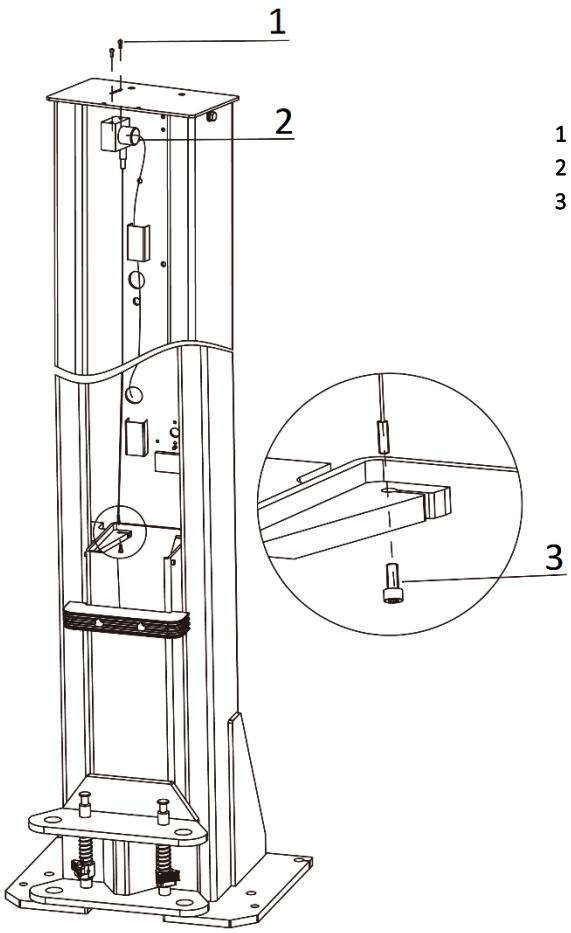
Illustration: Connections

Also guide the cables for the valves downwards through the opening in the column.
Note: The cables should be routed downwards through the cable ducts parallel to the hydraulic hose. The cables are then routed out of the column again at the bottom in order to reach the control box.

9) Mounting the draw-wire sensor

Remove the pre-assembled retaining screws and fit the sensor at the top under the top of the column. The sensor cable is routed downwards with the other cables through the cable ducts. The sensor cable can then be fixed to the pre-assembled cable for the limit switch using cable ties.
Finally, attach the end of the cable sensor to the lifting carriage.

Caution: Once the cable has been pulled out, it must not run back freely, otherwise the sensor could be damaged!

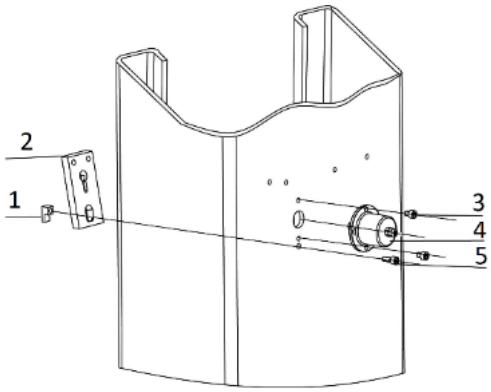


1 Phillips screw M5x12
2 Cable sensor
3 Hex socket button-head screw M5x16

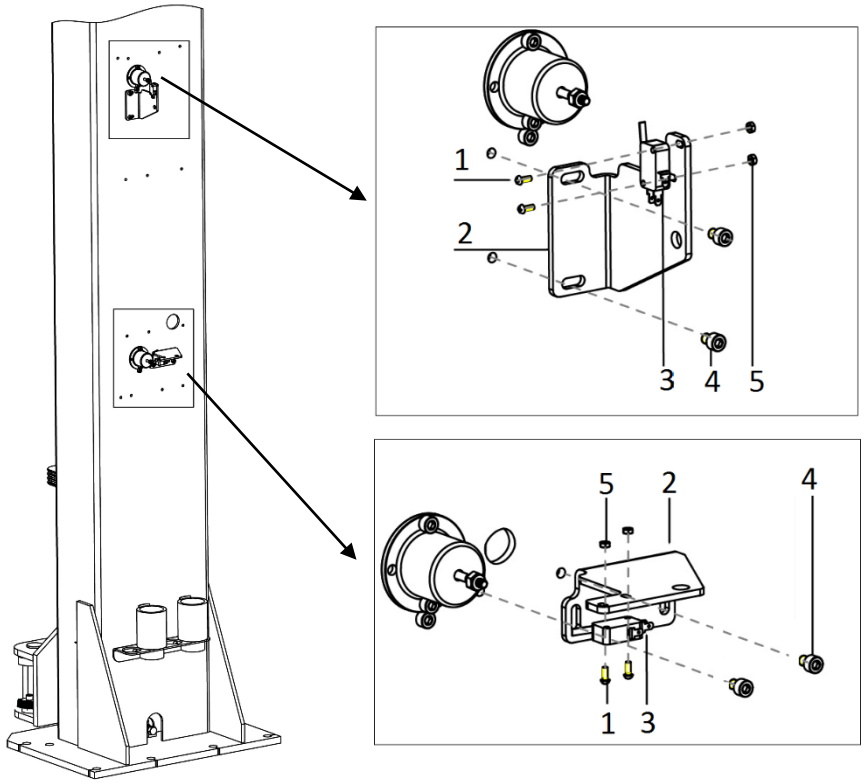
10) Attach the two locking magnets to the outside of the pillar. You can then also fit the brackets for the release sensors.

Note: Screw these on lightly first, as the switch must be precisely aligned with the slotted holes later.

Then attach the safety catches (plate) to the bottom of the electromagnet pin and fix them in place with the small bracket.



1 Orientation block
2 Locking plate
3 Cheese head screw with hexagon socket M6x8
4 Electromagnet
5 Cheese head screw with hexagon socket M6x15



1 Phillips screw M3x25
2 Holder for the microswitch
3 Microswitches
4 Allen screw with hexagon socket M6x8
5 Hex nut M3

11) Next, fit the cover for the hydraulic units.
To do this, first unscrew the bracket and fit it to the column.

For later commissioning, fill the oil tank with hydraulic oil.
Only use clean and fresh oil. Do not fill the tank completely full.
The hydraulic oil tank has a capacity of approx. 18 litres (9 litres per column). It is recommended to use HLP32 hydraulic oil. Pour about 6 litres of hydraulic oil into each of the two oil tanks. The oil level must reach the fill level mark on the tank. Top up with more oil after operating the post lift for several cycles until the lifting carriages reach the maximum lifting height.

Illustration: Filling HLP 32

12) Now hang the switch box on the column.
Feed the cables from the column through the hole at the bottom right into the switch box. Hang the switch box in place and tighten the 4 screws.
Note: Also check that the antenna connection is tightened securely. To do this, turn the screw and hex nut very carefully. Applying too much force can damage the circuit board.

13) Connect the unlocking connections at the top and bottom of the switch box. Connect the electromagnets using the appropriate plugs. Screw the unlocking buttons onto the brackets.

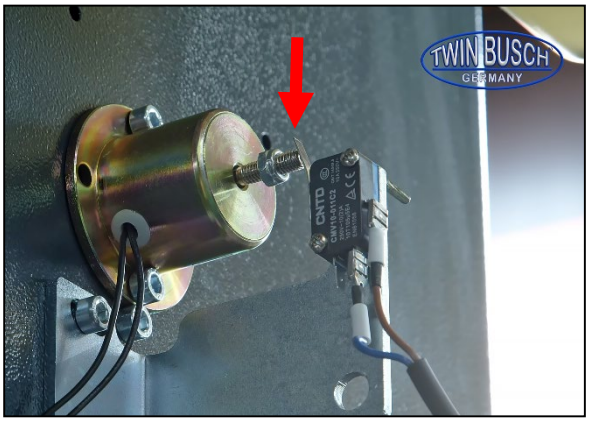



Illustration: Electromagnets

Note: For proper functioning, the metal plates of the switch must be bent so that the switch switches audibly when the magnet is attracted.

Caution: When connecting the plugs, make sure that the pins inside the plug are not bent or pushed out. This can easily happen!

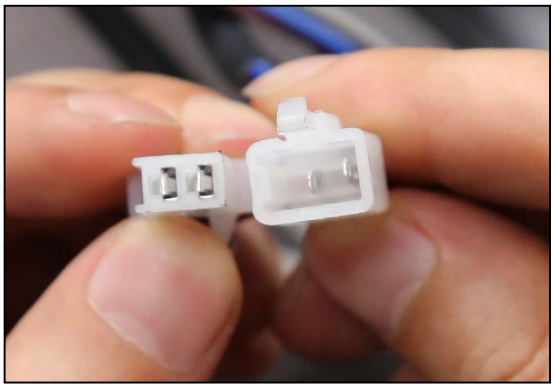


Illustration: Pins inside the plugs

14) In this step, connect the wiring inside the control box (see wiring diagrams in the appendix).

15) Fit the motor cover. The antenna for the radio connection goes on top of the motor cover. Tighten the four previously removed screws.

Illustration: Motor cover

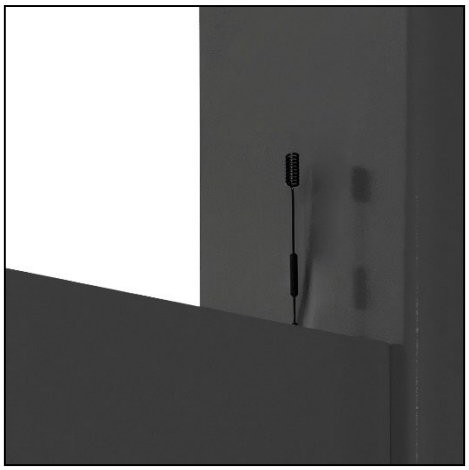


Illustration: Radio antenna

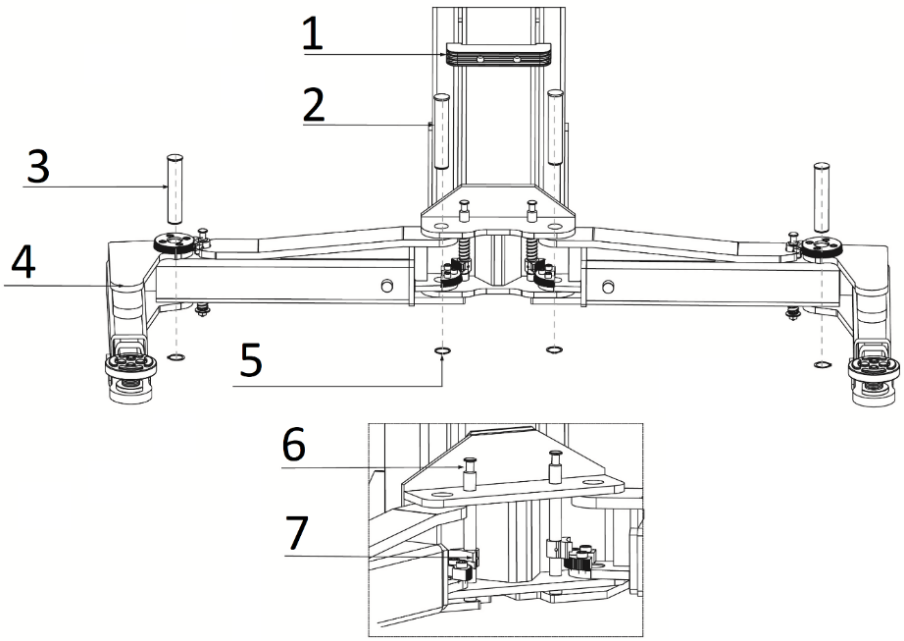
16) Also fit the control box cover.

17) Fit the supplied brackets for the plug-in adapters to the pillars.

18) Connect the power supply. Start the first test run and switch on the post lift. Log in with the password and raise the post lift slightly.

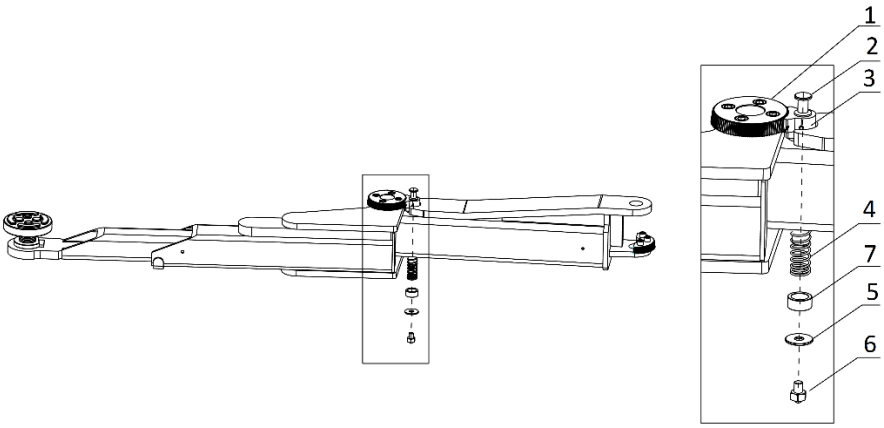
19) Fit the column guard.
To do this, guide the column guard with the end of the two eyelets at the front through the carriage.
Note: It can help to push the column guard through the carriage from above using a folding rule.
Fasten the end to the retaining plate with two screws. At the upper end of the column, the guard is anchored with two hooks and slightly tensioned. To secure them, screw on two nuts at the top. In this step, you can put on the column cover.

20) Fit the support arms.
Use bolt 1(2) to install the support arms on the carriage. Connect the support arm to bolt 2(3). The bolts must be greased during installation. Make sure that the locking mechanism of the arm engages effectively and can be released.



1 Lifting carriage
2 Pin shaft 1
3 Pin shaft 2
4 Pick-up arm
5 Circlip
6 Tie rod
7 Arm locking unit

Instructions for installing type M folding arms:
Ensure that the locking device on the centre joint arm engages and releases effectively. On uneven surfaces, the lock may not release automatically.
On floors with a maximum slope of 5 mm, it can be adjusted to release automatically.
Adjust the screw (item 6) on the underside correctly so that the articulated arm lock engages when the arm is raised and disengages when the arm is lowered.



1 Gear wheel
2 Pull rod
3 Small gear block
4 Compression spring
5 Washer
6 Adjustment screw
7 Limit tube

21) Fit the door stop protection.

Illustration: Door stop protection

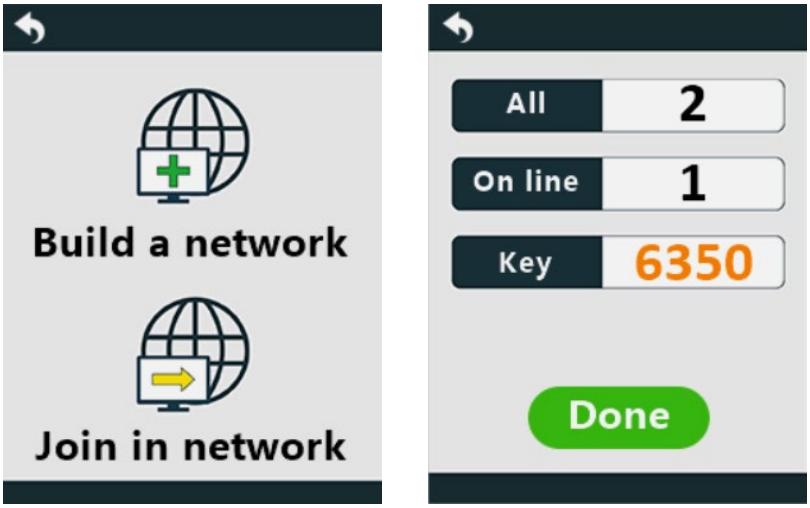
22) Then check the coupling of the two columns.
In 'Single' mode, lower both columns all the way down and set the height to 0. As the columns have already been coupled at the factory, the post lift should already be ready for use on both sides after switching to 'Pair' mode.

23) If you are able to skip Chapter 8.5, immediately reset the password as described in Chapter 8.5, Point 5. and replace it with a password of your choice to complete the initial start-up.

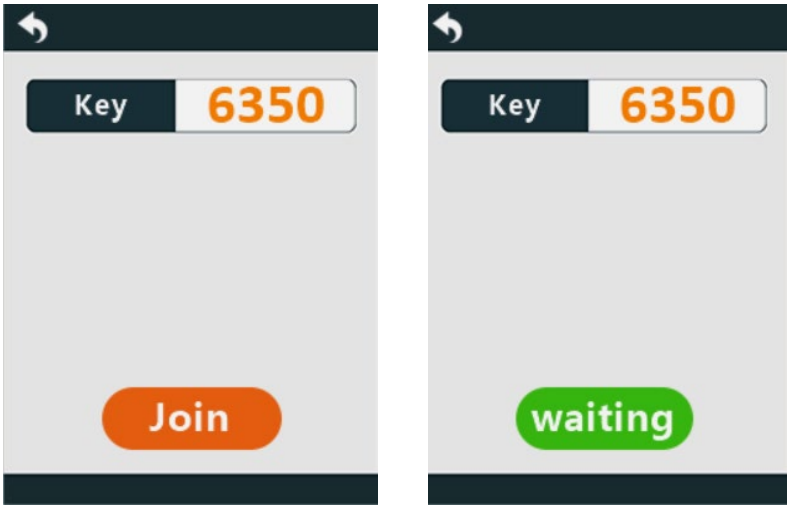
8.5 Re-coupling the columns

1. First switch on the main switch on both columns. Log in.

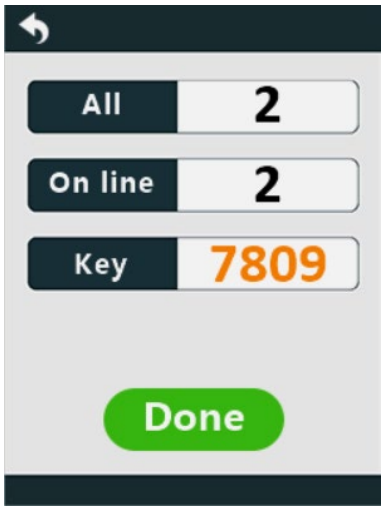
2. Press the ‘Network’ button on the first column, then ‘Build a network’. If there is a 0 next to ‘On Line’, press ‘Start’ and you will receive a new network number.
An example of a key number is 6350, which is randomly assigned by the system.



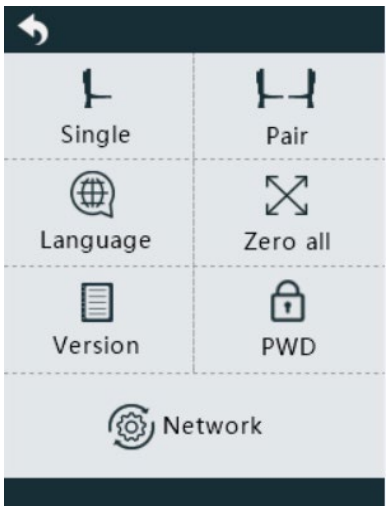
In the second column, press ‘Join in network’ and enter the same key number as shown in the first column to confirm the network created in the first column.



3. Go back to the first column and press the ‘Done’ button.

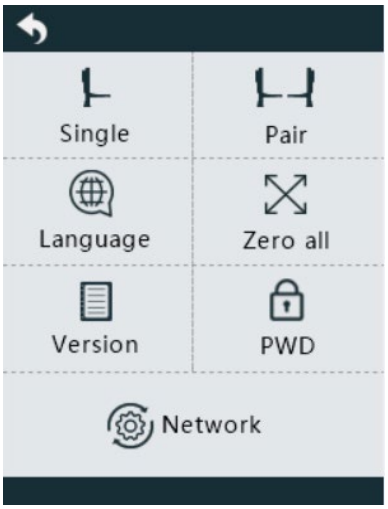


4. To ensure that the two columns also run synchronously in the network, you must synchronise them again in 'Single' mode. Therefore, move all columns all the way down in single mode and set this back to 0.



5. Please note: After initial commissioning, the original password, which is used exclusively for initial commissioning, must be reset and replaced with a new password of your choice.
This protects against unauthorised access to the settings and operation of the lift.

Press the PWD button to reset the password. In the next step, please enter the password of your choice and confirm your entry.



8.6 Test points after assembly

S/N	Check	YES	NO
1	Screw torque of the expansion screws: 100-110 Nm		
2	Climbing speed ≥20mm/s		
3	Earthing resistance: not greater than 4Ω		
4	Height difference between the two slides ≤5mm (3/16")		
5	Mechanical locks are robust and synchronised when running at rated load?		
6	All control buttons function as "hold to run"?		
7	Is the limit switch working correctly?		
8	Is the earthing cable connected?		
9	Both carriages raise and lower evenly?		
10	No abnormal noises are heard during operation under load?		
11	No oil leaks under load?		
12	Are all expansion bolts, nuts or circlips firmly tightened and secured?		
13	Can the maximum lifting height be reached?		
14	Is the steel cable lubricated?		

9. Commissioning

9.1 Safety precautions

a) If the safety devices are defective or show abnormalities, the lift must not be put into operation under any circumstances!
b) Check that all connections of the hydraulic lines are tight and functional. If there are no leaks, the lifting process can be started.
c) Only the operator should be in the vicinity of the lifting platform during a lifting or lowering operation. Always ensure that there are no persons in the danger zone.
d) Vehicles should always be aligned so that the vehicle's centre of gravity is in the middle between the lift columns. If this is not the case, the lift should not be used. Otherwise, neither we nor the dealer, if any, will accept responsibility for any problems or damage caused.
e) When the desired lifting height is reached and the safety catches are engaged, switch off the power supply to the lift before starting work in order to avoid incidents caused by unintentional operation by other persons.
f) Ensure that the safety catches are engaged before starting work on or under a vehicle. No persons may be in the working area of the lifting platform during the lifting and lowering process.
g) Avoid excessive rocking of the vehicle while it is on the lift.

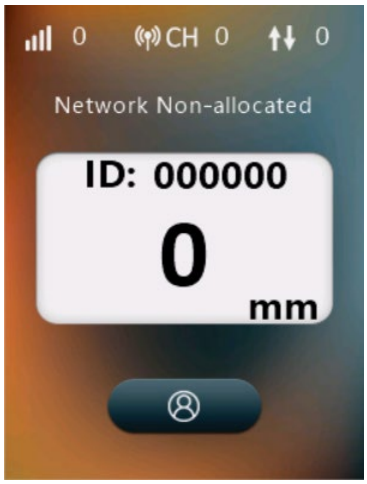
9.2 Description of the control unit (control box)

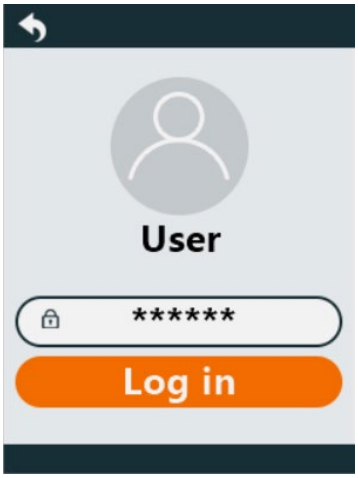
Description	Function
Main switch	Switch on or off.
Touchscreen	Setting up the communication system. Display information about the lifting system.
Alarm buzzer	Acoustic warning for the last section of the journey downwards. Acoustic warning in the event of excessive height deviation.
UP button	Lifting the lifting platform.
Button for the Security lock	Lock the mechanical safety lock.
DOWN button	When the mechanical locks are engaged, the trolley rises first to release the locks before lowering. The carriage automatically stops at a safe distance from the ground. Reactivate it to control the final lowering path.

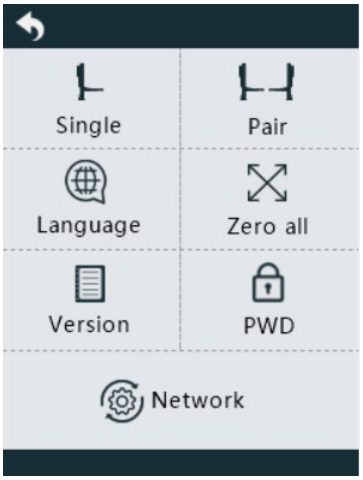
9.3 Wireless module

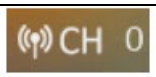
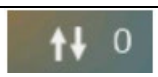
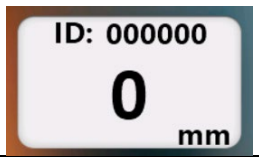
Description	Function
There is a radio module in each of the lift control cabinets, consisting of a PNLIFT-23E-433W board with an RF4463PRO radio chip. The radio module includes a wireless antenna with cable for connection to the board.	The wireless connection is automatically established between the two lifting columns of the lift when the lift is switched on. The position data of the heights of the two columns are synchronised via the wireless connection and shown on the display of the columns. If the deviation is too great, an alarm message appears on the display and the lifting process is terminated or cancelled. The same applies if the wireless connection is interrupted or the power supply is insufficient.

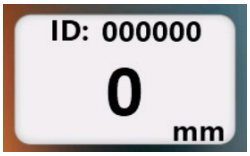
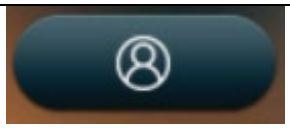
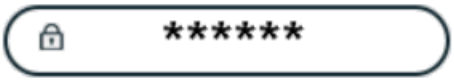
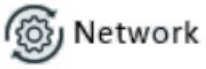
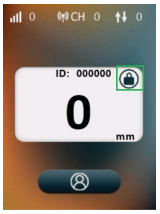
9.4 Structure of the touchscreen







S/N	Symbol	Function
1		The signal intensity display. The signal is weak if the value followed by is less than 160.
2		The display of the communication channel code. Two paired columns show the same channel code.
3		The display of the height deviation between two columns.
4		ID: Identity code of the column. It is generated at random. Two paired columns show the same ID code.

S/N	Symbol	Function
5		The display of the vertical pitch of the cylinder in mm. Lower the carriage completely and press the "Zero" button in single mode or "Zero all" in pair mode to set the height value for to set the control system to zero. It must be achieved that if you set the height to zero when the carriage is at a position above the floor, you will get a negative height value.
6		Press this button to call up the "Log in" page.
7		Enter the password.
8		Press this button to establish network connections, e.g. to set up a network and join the network.
9		Press this button to enter single control mode, in which you can control a single column. **Note: Single mode is only intended for commissioning, maintenance work and coupling of the two columns, and not for normal operation.**
10		Press this button to enter pair control mode after the network setting has been completed.
11		In pair control mode, lower the columns completely and press this "All to zero" button to delete the height deviation.
12		Reset the language.
13		Press this button to obtain detailed information about the version of the control system.
14		Press this PWD button to reset the password.
15		The display of the abnormal release. Quickly recognise the fault caused by an abnormal release of the locking mechanism.

9.5 Operating instructions

9.5.1 Lifting operation

1. Read and understand the operating instructions before starting work.
2. Connect the power supply and switch the main switch to ON.
3. Park the vehicle with its centre of gravity in the middle between the two pillars.
4. Align the support arms of the lifting platform so that the pick-up points are in line with the lifting platform. Make sure that the vehicle is positioned correctly.
5. Press the UP button on the control panel until the lifting adapters touch the pick-up positions of the vehicle.
6. Raise the vehicle further so that the wheels are slightly off the ground and check the stability.
7. Press the safety catch button (LOCK) to engage the lifting carriages in the safety catches.
8. Set the main switch to OFF and start working on or under the vehicle.

Attention: If the LOCK button does not work, please press the UP or DOWN button to increase or decrease the position and press the LOCK button again to activate the mechanical lock.

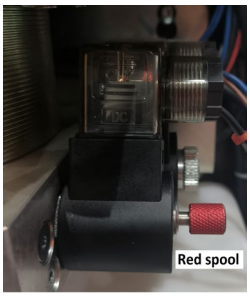
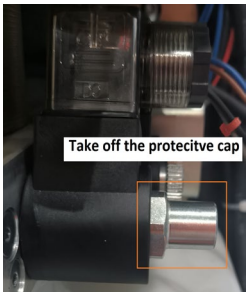
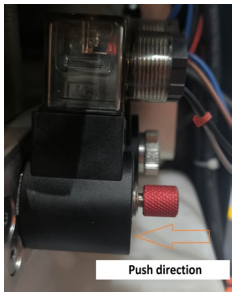
9.5.2 Lowering process

1. Connect the power supply and switch the main switch to ON.
2. Press the DOWN button on the control unit. The carriage stops automatically at a safe distance from the floor. Activate the DOWN button again to finish the downward movement.
3. When the lift is fully lowered, position the swivel arms and adapters so that it is possible to get out unhindered before removing the vehicle from the lifting area.
4. The vehicle can now be removed.

10. Troubleshooting

Attention: Do not hesitate to contact the expert staff of TWIN BUSCH® GmbH if you are unable to rectify an error yourself. We will be happy to assist you in rectifying the problem. In this case, document the error and send us pictures and a precise description of the error so that we can identify and remedy the cause as quickly as possible.

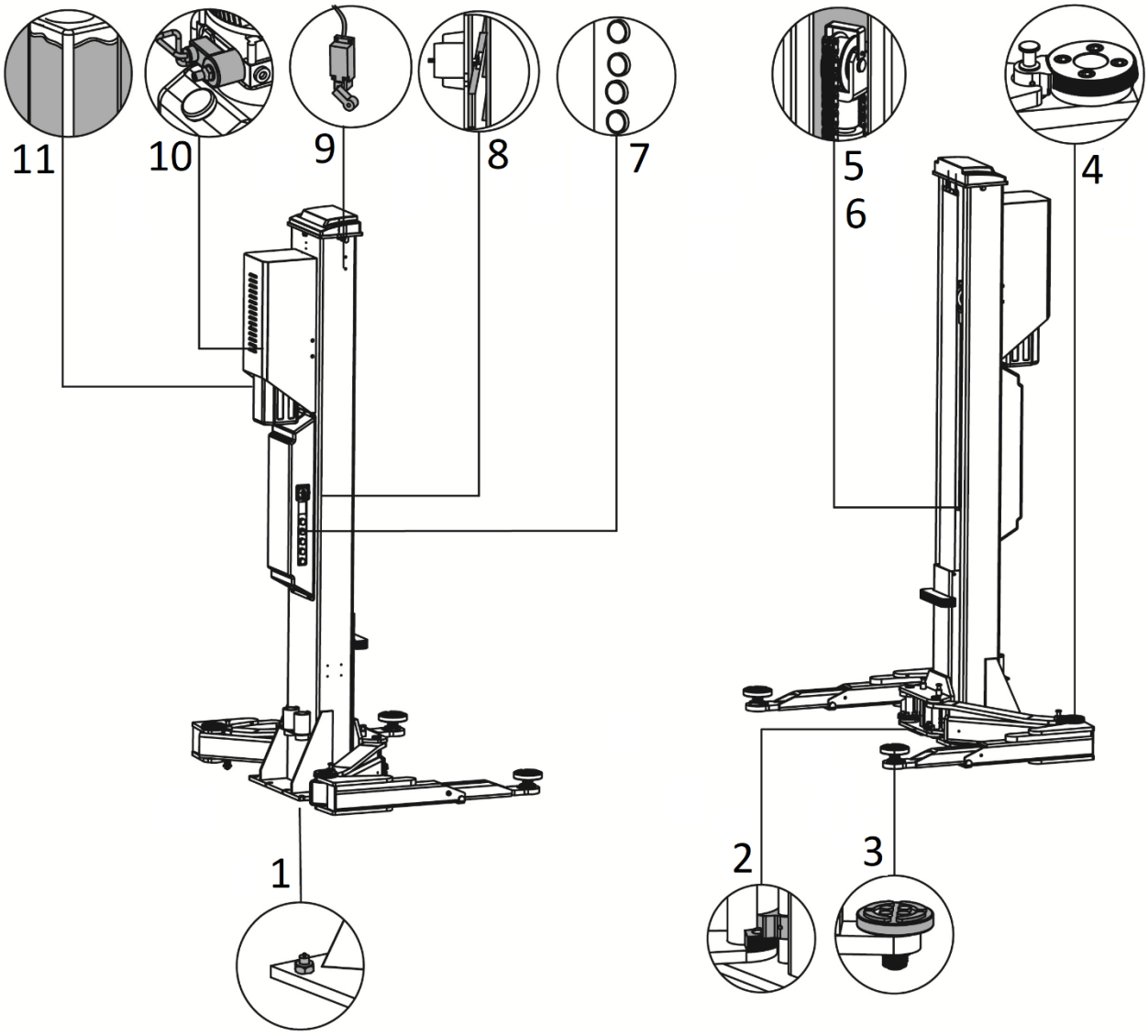
The following table lists possible errors, their cause and the corresponding troubleshooting for quicker identification and self-remedy.

PROBLEM	CAUSE	SOLUTION
No lifting.	The weight of the loaded vehicle exceeds the maximum capacity of the lift.	Reduce the load.
	The motor is running in the wrong direction.	Swap the connection of the wires U, V.
	Damaged cable travel sensor.	Replace it.
	Abnormal interconnection network.	Restart both columns.
	Damaged gear pump.	Replace it.
	Jammed pressure relief valve.	Clean or replace it.
	Loose cable connection of the emergency valve on the solenoid valve (YV1, YV2).	Check the cable connection and make sure it is secure.
No lowering.	Damaged solenoid valve (YV1, YV2).	Replace it.
	Loose cable connection of the electromagnet (YA1, YA2).	Check the cable connection and make sure it is secure.
	The red spool, attached with the unloading valve for emergency descent was not screwed tight. 	1. Open the control cabinet and find the emergency unloading valve. 2. Take off the protective cap of the valve and see red spool of the valve. 3. Push and turn clockwise the red spool until hear sound which implicate the valve is off.  
No raising and no lowering while an acoustic warning sounds.	Exceeding the deviation of the climbing height.	Switch one of the columns to single control mode and adjust the height of its carriage until both carriages are at the same height.
	Reverse wire connection of the solenoid valve (YV1,YV2).	Correct the cable connection.
	The two pressure equalisation valve elements are installed in reverse order.	Change the installation position.
Lowering too slowly.	Jammed throttle valve.	Clean or replace the valve.
	Jammed unloading solenoid valve.	Clean or replace the valve.
Lifting and lowering with vibration.	Loose oil suction line.	Tighten the pipe.
	No grease on the sliding surface of the carriage.	Add grease.

11. Maintenance

Regular maintenance of your lift will ensure a long and safe service life. Suggestions for maintenance intervals and the activities to be carried out are listed below. How often you service your lift depends on the ambient conditions, the degree of soiling and, of course, the stress and load on the lift.

The following points must be lubricated:



S/N	Components	Methods	Period
1	Expansion bolts	Check with torque spanner.Torque: 100-110 Nm.	Every 3 months
2	Swing arm locking units	Push the UP button to raise the lifting arms and check if four swing arms are locked into position.	Every day
3	Rubber contact pads	Inspect the pads and clean off any objects that may cause sliding or damage.	Every day

4	Joint arm locking units	Push the DOWN button to lower the arms till the bottom and check if the joint arm lock can release automatically at bottom.	Every day
5	Chain and its pins	Lubricate the chain with NO.1 lithium based grease. It is advised to change the chains every 3 years or if any cracks occurred to the pin of the chain.	Every 3 months
6	Running path inside the post for carriages	Lubricate the path with NO.1 lithium based grease. No obstruction on the track.	Every 3 months
7	Control button	Check and assure all buttons work as "hold- to -run " and work as the function indicated.	Every day
8	Mechanical safety catch	Check and ensure both mechanical catches can engage and disengage simultaneously by pushing control buttons.	Every day
9	Limit switch	Push the UP button and inspect and to ensure the lifting platform stops rising when the switch is activated.	Every day
10	Unloading valve oil hose connectors	Inspect to ensure no leakage before using the lift.	Every day
11	Hydraulic oil	Change the oil 6 months after initial use and once per year thereafter. Inspect the hydraulic oil and change the oil if the oil becomes black or there is dirt in the oil tank.	Every year

If you follow the above maintenance intervals and maintenance activities, your post lift will remain in good condition and damage and accidents will continue to be avoided.

Note: After ten years of operation at the latest, a general assessment of the remaining service life must be carried out by a qualified technician – preferably by a specialist authorised by the manufacturer.

12. Behavior in the event of an incident

If the lift malfunctions, simple faults may be the cause. Use the following list for troubleshooting *).
If the cause of the error is not listed or cannot be found, please contact the expert TWIN BUSCH® GmbH team.
Never attempt to carry out repairs yourself, especially on safety devices or electrical system parts.

*) Points depending on the design and type of the lifting platform

Work on electrical systems only by qualified electricians!

Problem: Lifting platform can neither be raised nor lowered.

Possible causes	Remedy
No power supply available.	Check power supply.
Power supply interrupted.	Check power supply line.
Main switch not switched on or defective.	Check main switch.
Emergency stop pressed or defective.	Unlock emergency stop, check.
Fuse in power connection has blown or is defective.	Check fuse.
Fuse in the switch box has blown or is defective.	Check fuse.

Problem: Lifting platform cannot be raised.

Possible causes	Remedy
With three-phase current: one phase is missing.	Check power supply.
With three-phase current: Direction of rotation of motor reversed.	Check direction of rotation, change phase if necessary.
Oil pump defective.	Notify TWIN BUSCH® Service.
Emergency drain open.	Close emergency release valve.
Motor is defective.	Notify TWIN BUSCH® Service.
Overload.	Overload valve has opened, reduce load.

Problem: Lift cannot be lowered.

Possible causes	Remedy
Lifting platform sits in safety catches.	Raise platform a little, pull detents, lower.
Lifting platform has moved into limit switch.	If necessary, loosen limit switch, raise 1 cm and lower.
Motor is defective.	Open safety latch and lift over. Lower emergency drain.
Lifting platform has been blocked during lowering.	Raise the lifting platform slightly again and remove the obstacle.

13. Disassembly

The post lift may only be dismantled by qualified personnel. In particular, work on electrical components may only be carried out by qualified electricians in order to avoid the risk of electric shock or malfunction. Similarly, work on hydraulic or pneumatic systems may only be carried out by trained personnel with specific expertise in hydraulics or pneumatics. Compliance with these specifications ensures safe and proper decommissioning of the system.

1) Switch off the system at the main switch (OFF position) before carrying out any dismantling work.

2) Attach a warning sign to prevent the system from being switched back on.

3) Disconnect the power supply.

Caution: Improper dismantling of hydraulic components poses a risk of fatal injury. These components are under pressure (up to 200 bar).
Under no circumstances should you dismantle the hydraulic components (lift cylinders)!
These must always be uninstalled as complete components.
Post lift cylinders should only be disposed of properly by a certified company.

4) Empty the hydraulic oil tank and drain the oil from the hydraulic hoses. Dispose of the hydraulic oil (see 14 Disposal).

5) Remove lubricants and other chemical substances. Dispose of these (see 14 Disposal).

6) Dismantle the supports, crossbars and crossbeams of the post lift.

14. Disposal

In order to inform users how to dispose of the product properly (as required by Article 26, paragraph 1 of Legislative Decree 49/2014), the following is communicated:

The meaning of the crossed-out wheelie bin symbol on the device indicates that the product must not be disposed of with residual waste (i.e. together with "mixed municipal waste"). Instead, it must be disposed of separately so that waste electrical and electronic equipment can be sent for appropriate reuse or treatment. This allows environmentally hazardous substances to be safely removed and disposed of, and reusable raw materials to be recovered and recycled.

14.1 Ecological disposal methods

- Prevent environmental pollution.
- Avoid contact with or inhalation of toxic substances such as hydraulic fluid.
- Oils and lubricants are water pollutants according to the WGH Water Protection Act. Always dispose of them in an environmentally friendly manner and in accordance with the regulations of your country.
- Mineral oil-based hydraulic oils are water pollutants and flammable. Refer to the relevant safety data sheet for disposal.
- Provide suitable oil drain pans and oil binders for draining the oil.
- Ensure that no hydraulic oils, lubricants or cleaning agents contaminate the soil or enter the drainage system.

14.2 Packaging material

Do not dispose of in household waste!
The packaging material contains some recyclable materials that must not be disposed of in household waste. Dispose of the packaging material in accordance with the regulations applicable in your country.

14.3 Oils, grease and other chemical substances

- When working with oil, lubricants and other chemical substances, comply with the environmental regulations that apply to the product in question.
- Dispose of oil, lubricants and other chemical substances in accordance with the environmental regulations applicable in your country.

14.4 Metals/electrical waste

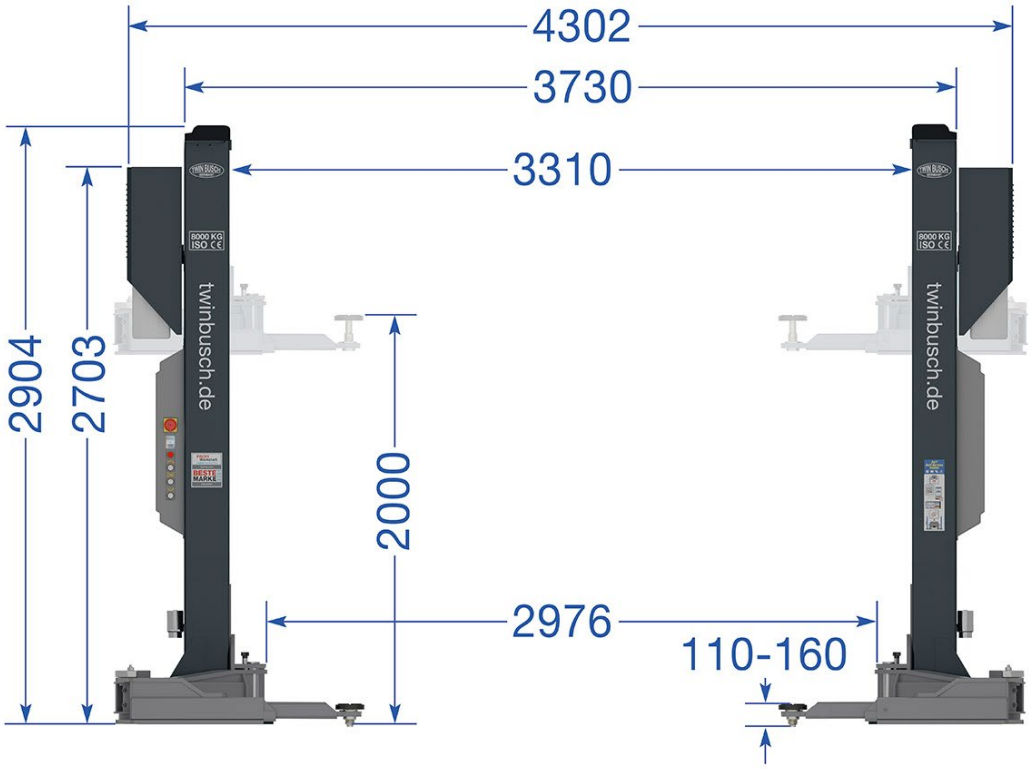
Metals/electrical waste should only be disposed of properly by a certified company. Dispose of used electrical and electronic equipment, including cables, accessories and batteries, separately from household waste.

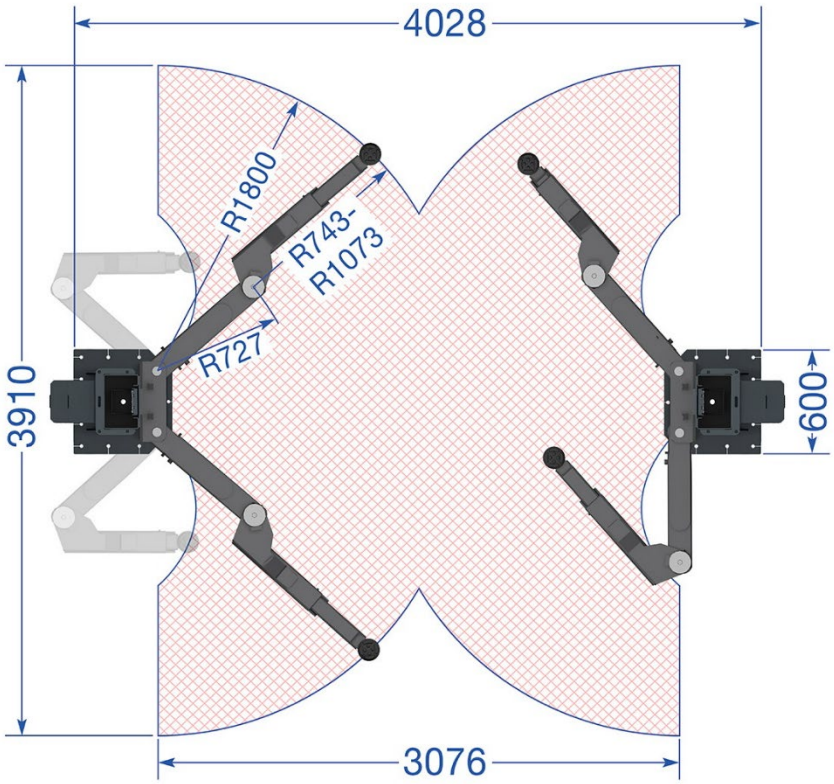
15. Appendix

15.1 Packing list

MAIN ASSEMBLY			
S/N	**Name**	**Specification**	**Quantity**
1	Columns	TW280	2
2	Support arms	Type M folding arm	4
3	Drive	400V-3Ph-50Hz-3,5 kW	2
4	Motor housing assembly	62B-A22-B1-1 (including motor housing bracket and screws)	2
5	Motor protective cover	E25-A1-B3-1	2
6	Upper column cover	6255E-A12	2
7	Electromagnet	E25-A14	4
8	Cable sensor	WF50-0002-0612C24	2
9	Control unit		2
PARTS BOX			
S/N	**Name**	**Specification**	**Quantity**
1	Support arm bolt	6254E-A12	4
2	Turntable assembly	6214EKZ-A4-B4-V0	4
3	Column protection cover	L=2700*180	2
4	Bracket for drive unit	6254E-A1-B1-C10-V0	2
5	Bracket for height adapter	6254E-A1-B1-C6-V0	2
6	Height adapter	L=100 mm	4
7	Mounting plate for microswitch	E25-A1-B10-C1-1	4
8	Door stop protection	EEGM	2
9	Hydraulic line	L=400 mm	1
10	Nylon compensation plate	6254E-A19	10
11	Mounting rod for column curtain	6254E-A1-B5-0 (including flat washer and hex nut)	4
12	Mounting bracket for No. 13	6254E-A17	4
13	Safety locking plate	6254E-A13	4
14	Hexagon screw	M10X35	8
15	Hexagon socket head cap screw	M6X8-GB70_1	16
16	Phillips head cap screw	M3X25	8
17	Phillips head cap screw	M6X8	4
18	Phillips head flat head screw	M3X30	4
19	Hexagon socket head cap screw	M6X12	16
20	Hexagon socket cylinder head screw	M6X15	4
21	Hexagon socket cylinder head screw	M10X20	3
22	Hexagon socket pan head screw	M8X12	8
23	Hexagon nut	M10	3
24	Spring washer	D12	3
25	Retaining ring	D38-GB894_1	4
26	Hexagon nut	M3-GB889_1	4
27	Washer	D6-GB95	4
28	Operating instructions		1
29	Oil tank sticker		2

15.2 Lifting platform dimensions





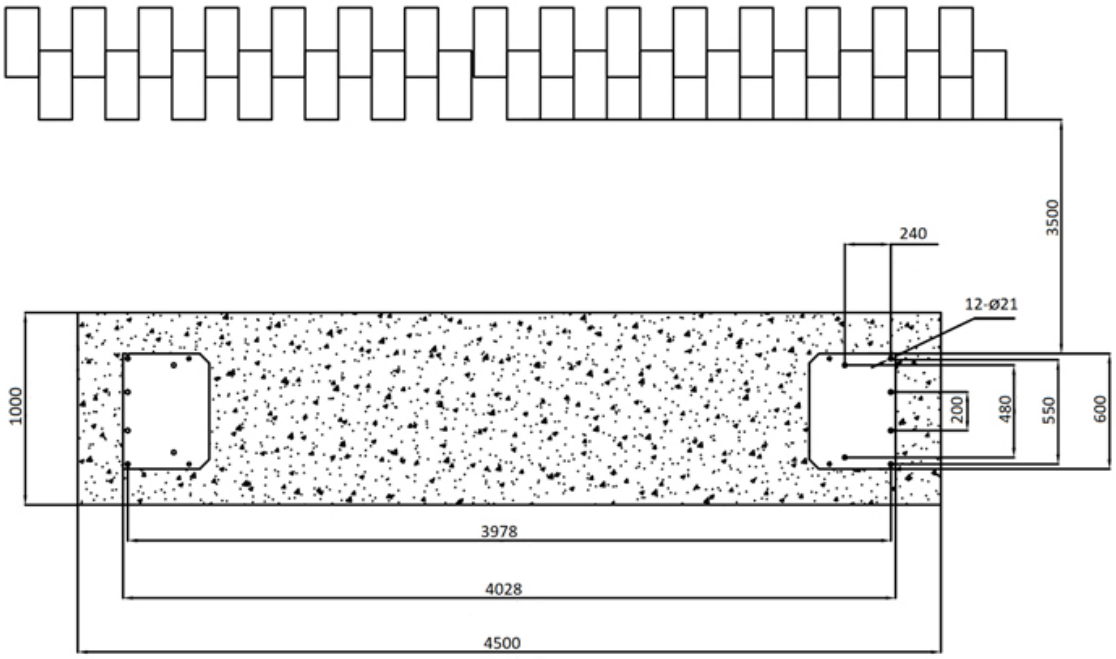
15.3 Foundation requirements and working area

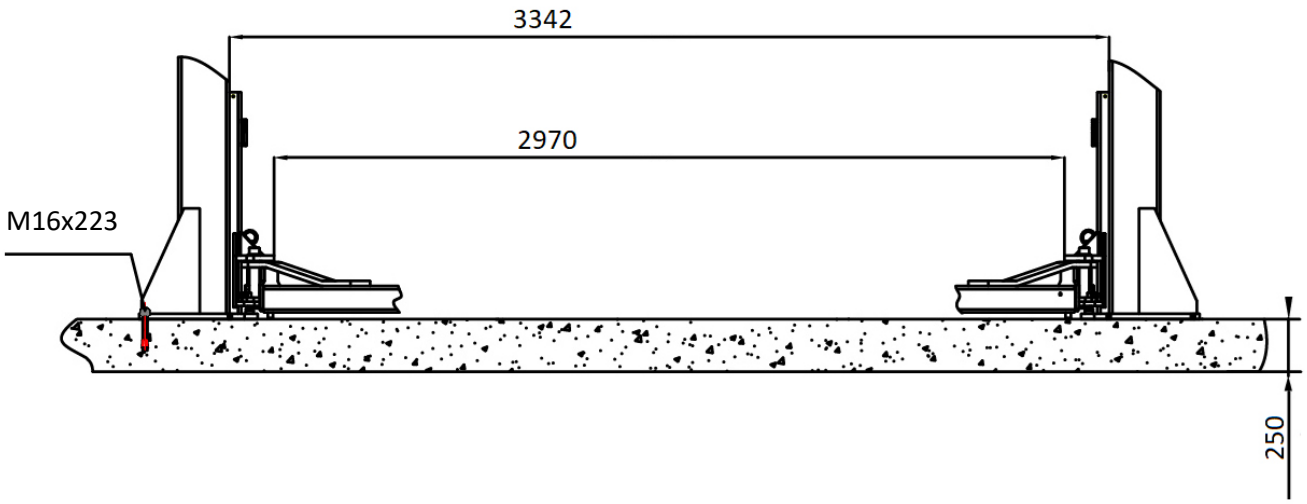
Requirements for the concrete:

- Concrete C20/25 according to DIN 1045-2 (previous designation: DIN 1045 concrete B25).
- The floor must be level and have a flatness of less than ≤ 5mm/m.
- Newly poured concrete must cure for at least 28 days.

Foundation dimensions:

- Ideally, the entire hall floor should be made of C20/25 concrete with a thickness of at least 250 mm.





Base plate reinforcement for TW250W-G:

Please note that the reinforcement plates are not needed in most cases. Without reinforcement plates, a minimum concrete thickness of 250 mm is required! (for the 2-post post lift model mentioned here with a load capacity of 5.0 t)

Suitable for the ***TW250W-G***

Experience has shown that the required concrete strength (foundation requirement of 250 mm) is available; this is to be checked by the customer. If, in exceptional cases, the foundation requirement is not met, we offer you this special solution.

The minimum requirements for concrete thickness are reduced by 50 mm when the reinforcement plates are installed. This base plate reinforcement is therefore to be used for concrete thicknesses between 200-250 mm.

Illustration: TW250W-GPV

Other requirements:

- The surrounding ground must be suitable for the load, e.g. no sandy soil, etc.
- Reinforcement in the concrete is not mandatory for the proper use of the lifting platform, but is recommended.
- The lifting platform must NOT be installed on ceilings or floors with basements without authorisation. In case of doubt, the foundation should always be designed by a structural engineer; this is mandatory for ceilings or floors with basements.
- If tiles, screed, insulation and underfloor heating are used, please consult our technical department.

For soil exposed to frost, note the following:

For frost exposure, the concrete must comply with exposure class XF4, as dripping de-icing agent cannot be ruled out.

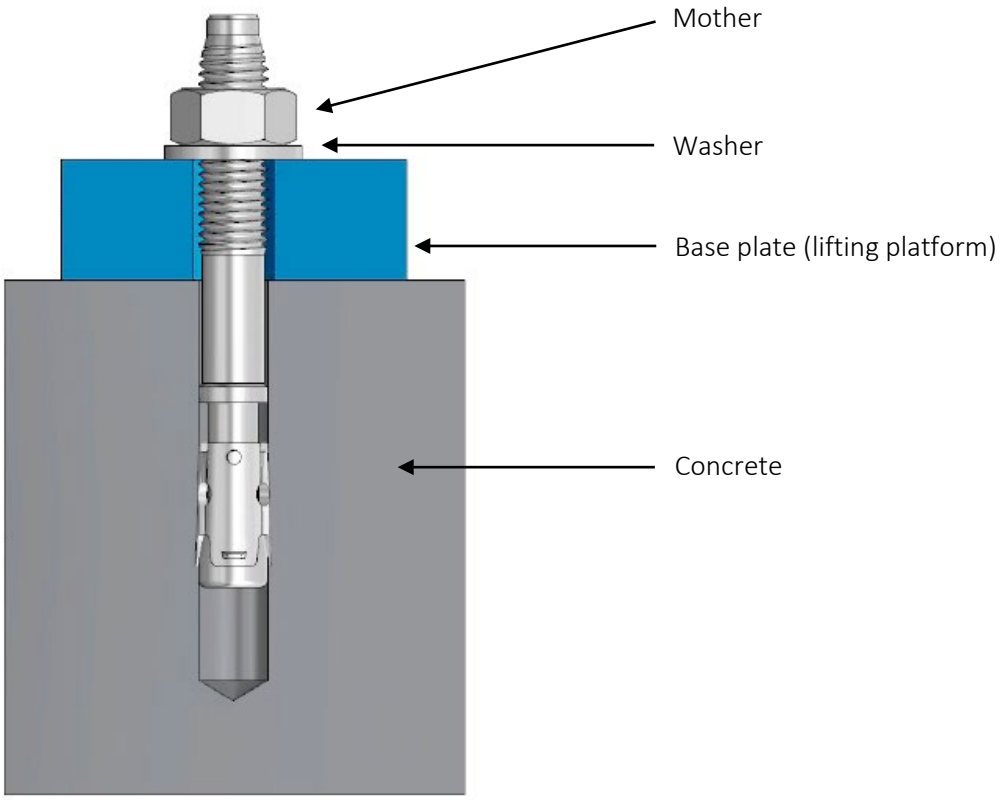
This results in the following minimum requirements for the concrete when exposed to frost:

Exposure class:	XF4
Maximum w/c:	0,45
Minimum compressive strength:	C30/37 (instead of C20/25)
Minimum cement content:	340 kg/m³
Minimum air void content:	4.0 %
Total foundation depth:	≤ 80 cm (due to frost resistance)
Remainder filled with gravel:	0/32

It must be noted, however, that the lifts are not designed for outdoor use (except for galvanised models).

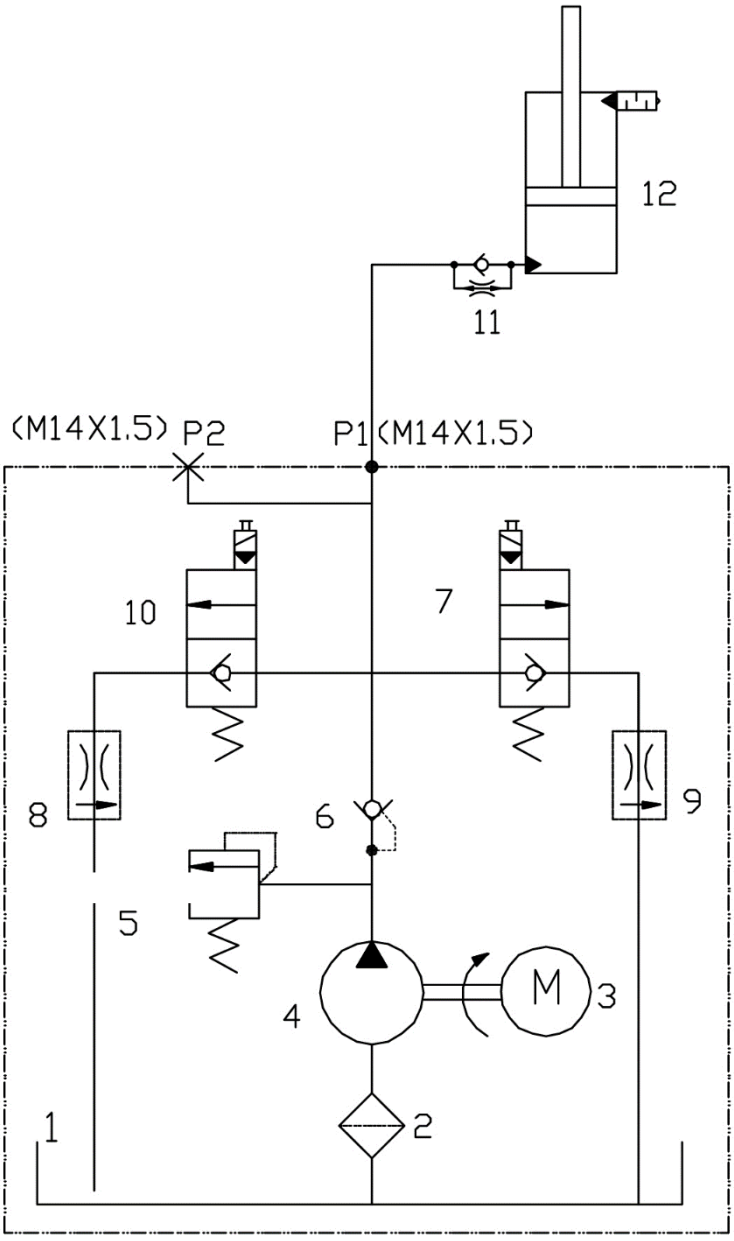
The control box is IP54, but the rest of the electrics, motors and limit switches are IP44 at most.

Anchor bolt fastening



The tightening torque of the anchor bolts (M16) is: 100-110 Nm.

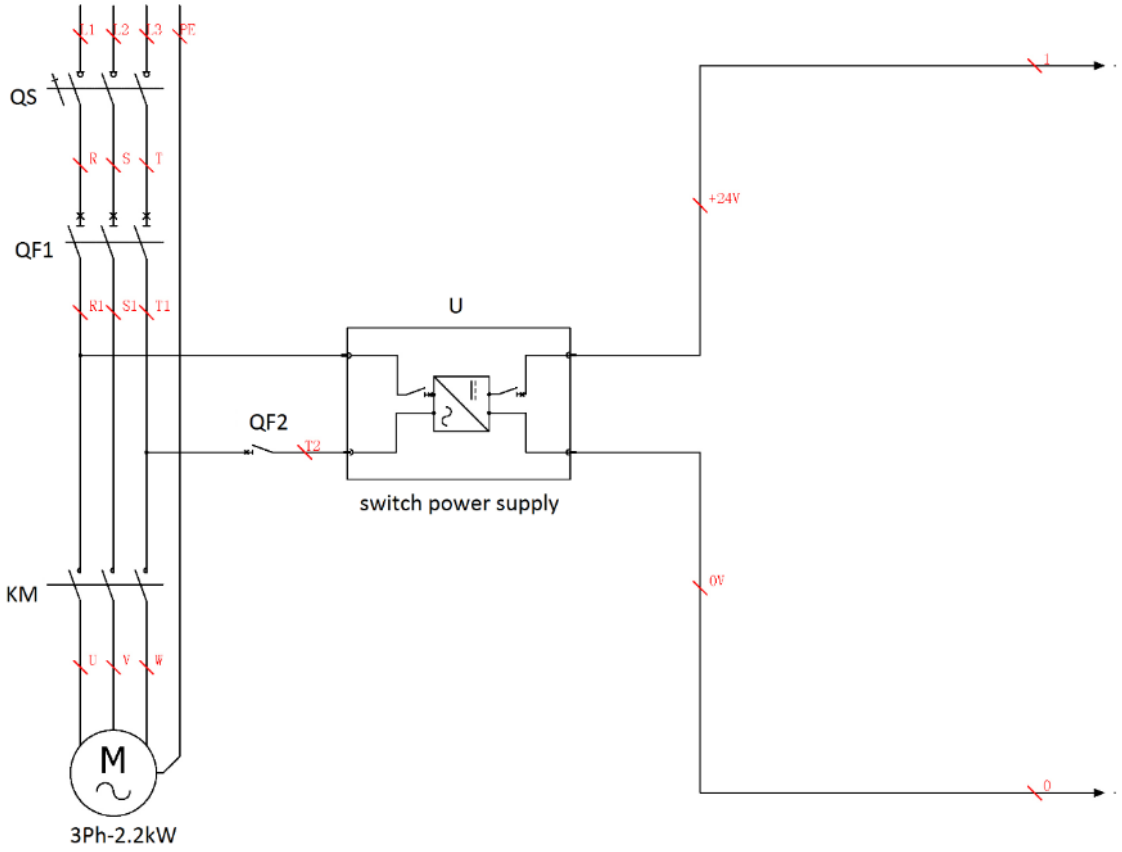
15.4 Hydraulic system

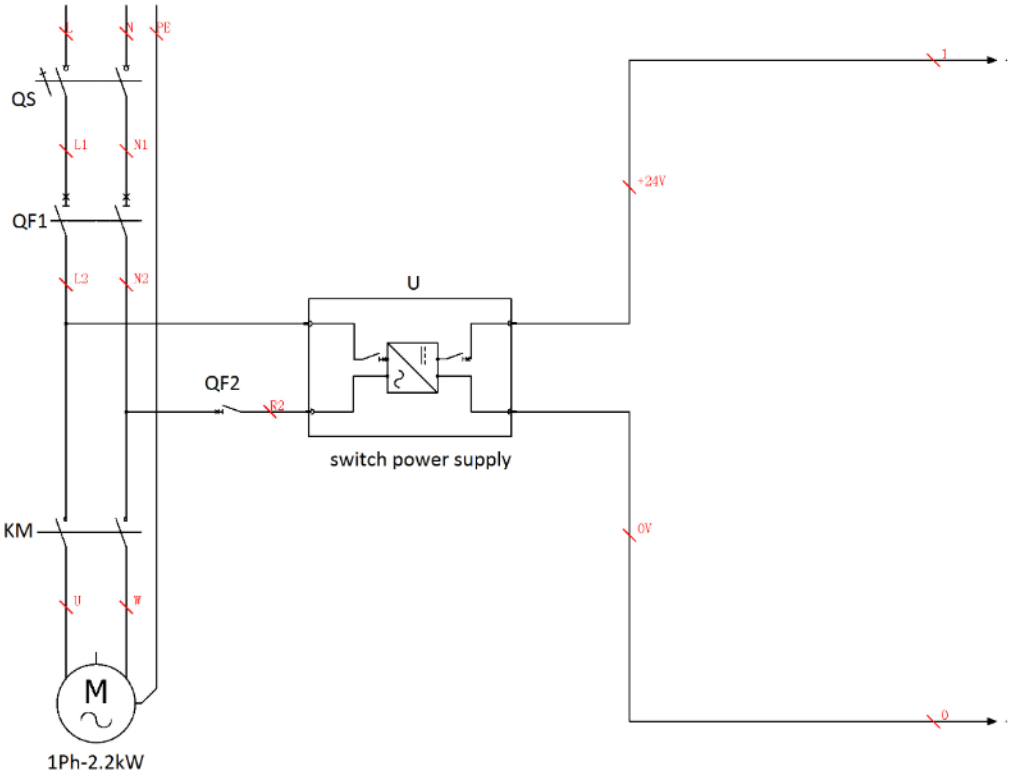


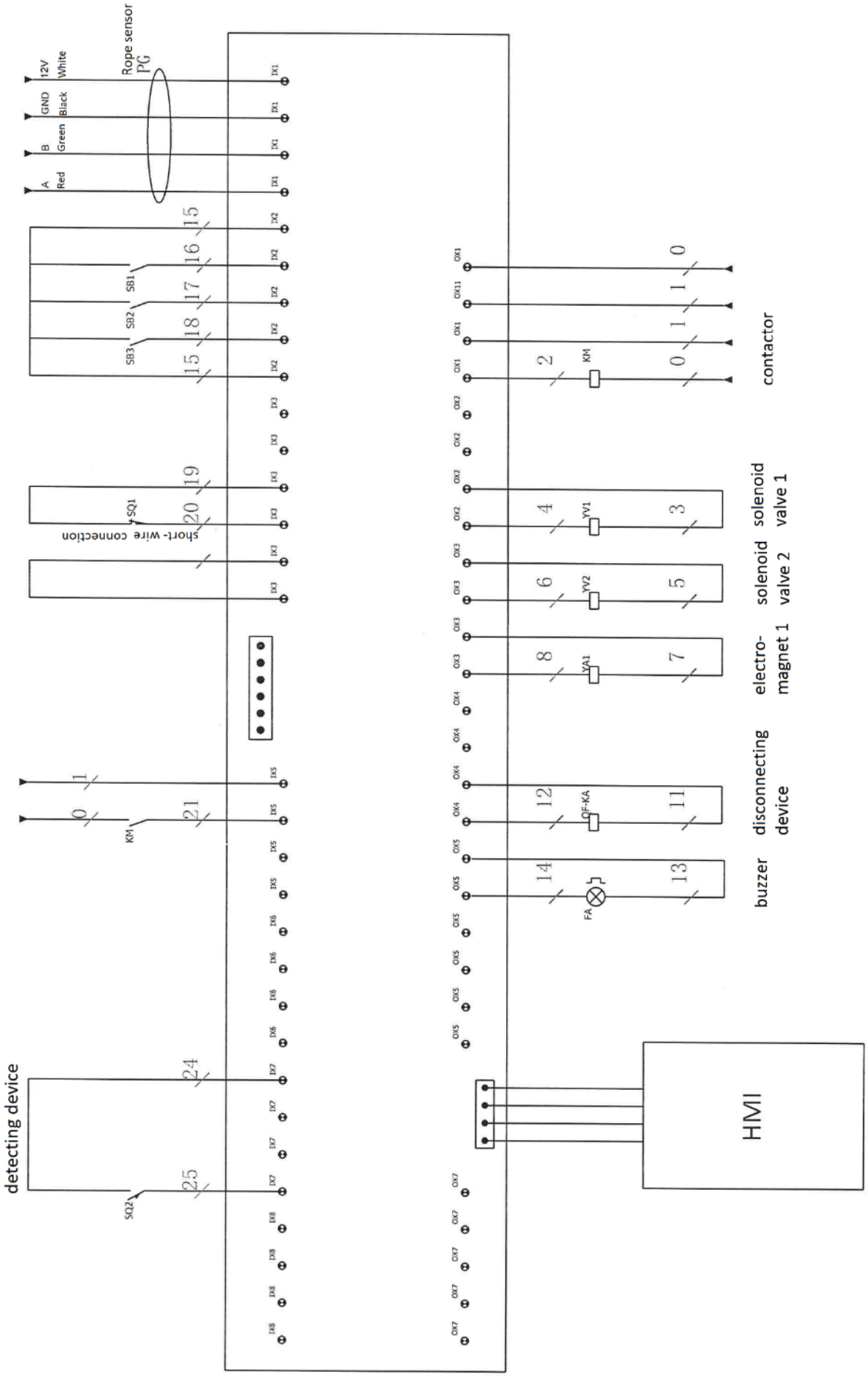
1. Oil tank
2. Filters
3. Motor
4. Gear pump
5. Pressure relief valve
6. Non-return valve
7. Solenoid changeover valve (unloading valve)
8. Pressure equalisation valve
9. Pressure equalisation valve
10. Solenoid changeover valve (unloading valve)
11. Throttle valve
12. Hydraulic cylinder

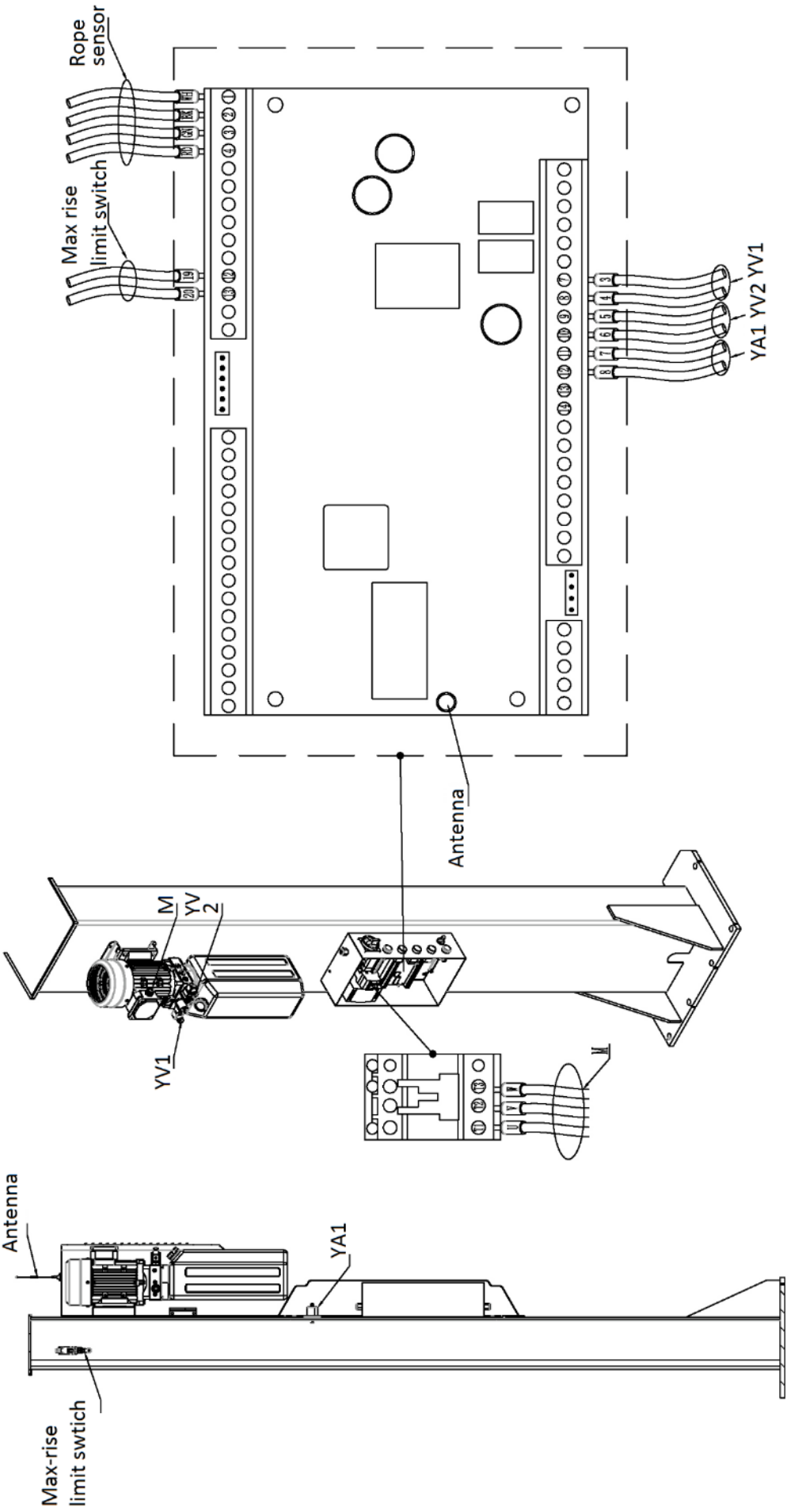
15.5 Circuit diagrams

(Note: Depending on the specific voltage requirements, the actual voltage of your lift may differ from the following diagram).

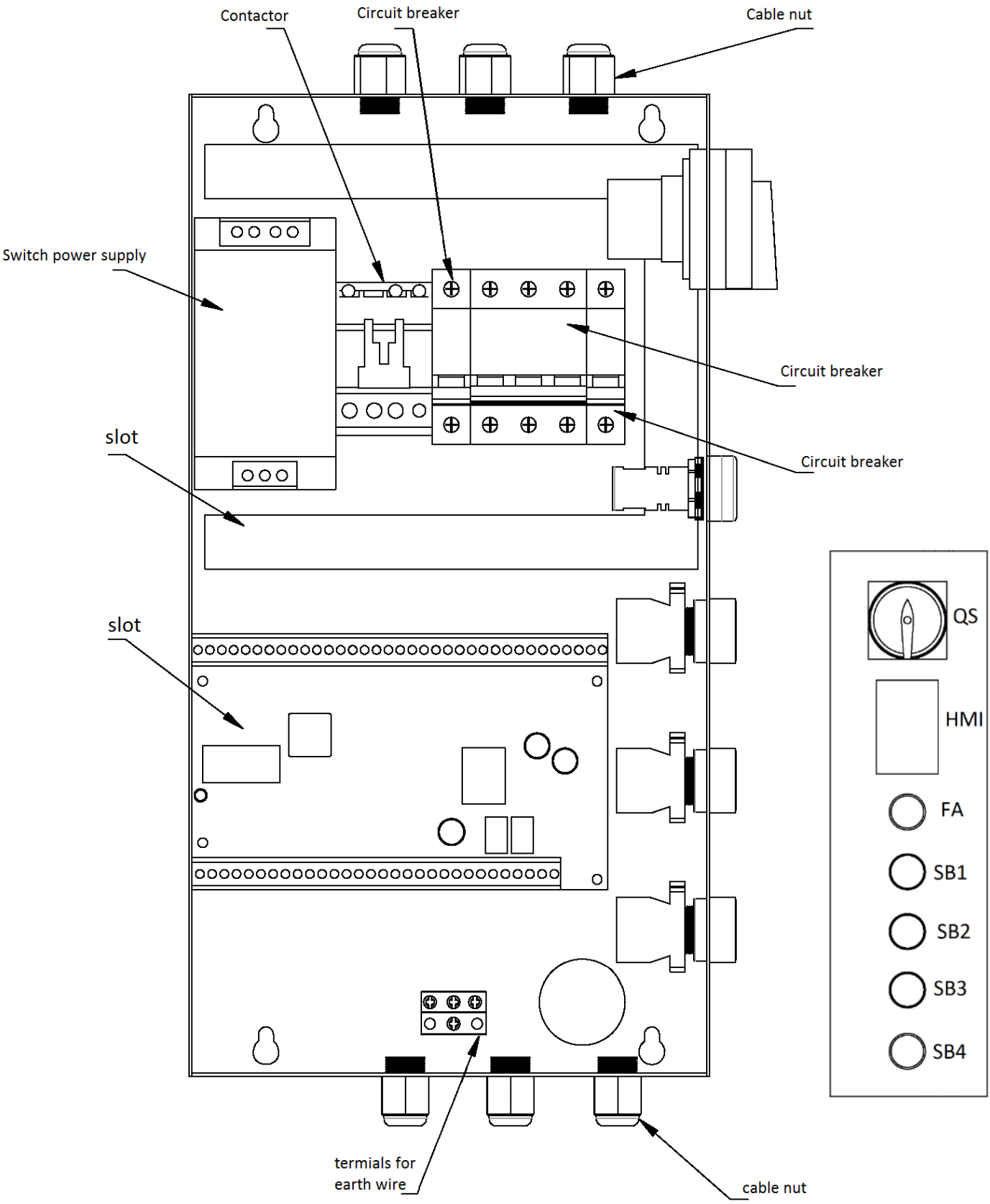





Rope sensor PG
12V White
GND Black
B Green
A Red
SB1
SB2
SB3
SQ1
short- wire connection
KM
detecting device
SQ2
contactor
solenoid valve 1
solenoid valve 2
electro- magnet 1
disconnecting device
buzzer
YV1
YV2
YA1
QF-KA
FA
HMI

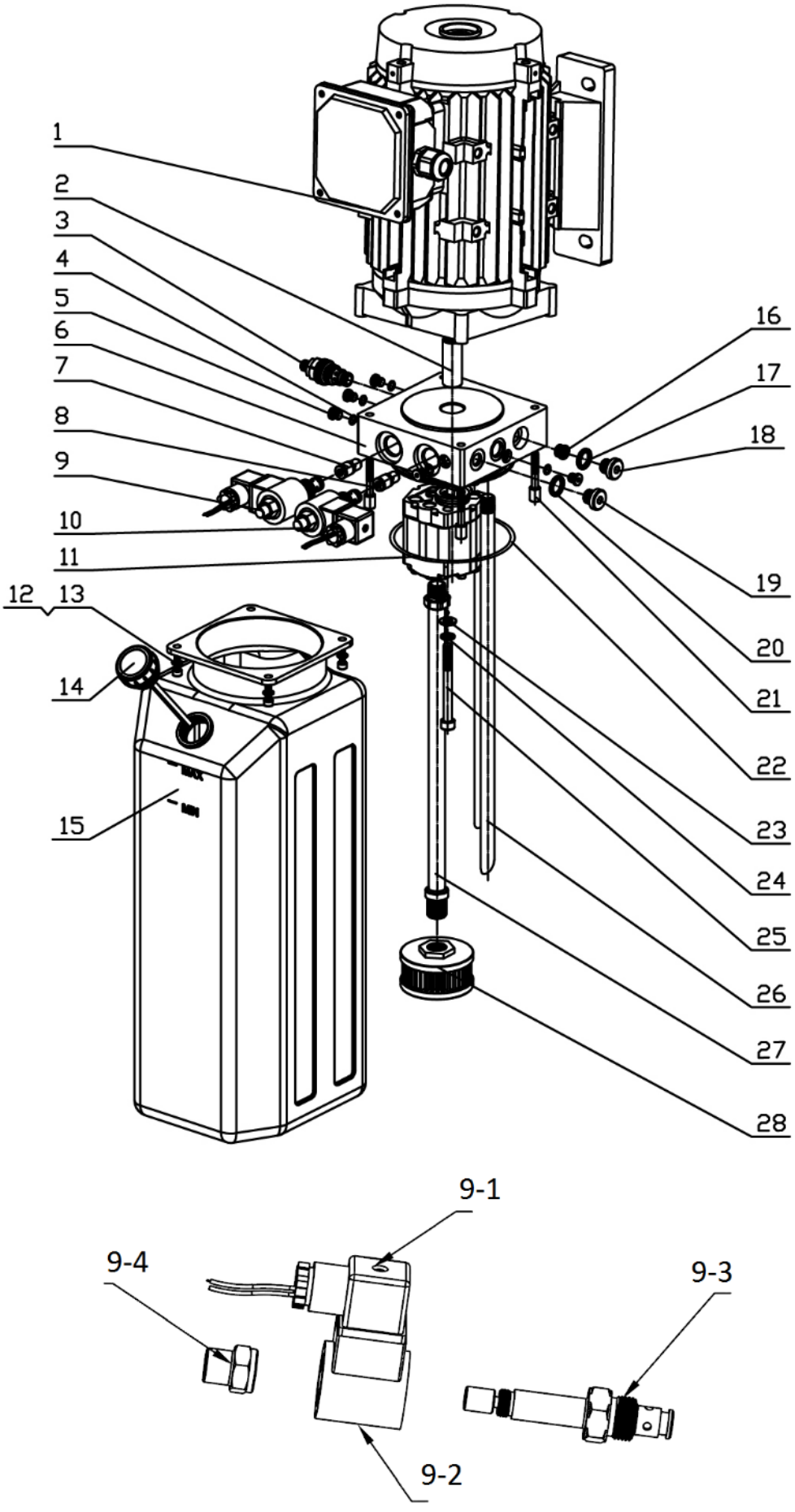

Rope sensor
Max rise limit switch
YA1 YV2 YV1
Antenna
M
YV 2
YV1
M
Antenna
YA1
Max-rise limit swtich

15.6 Switch box

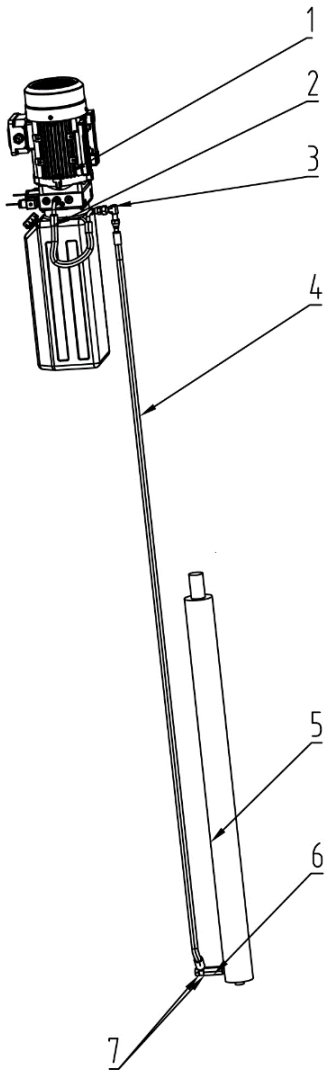


S/N	P-code	Name	Specification	Quantity
HMI	321500005	Touch screen	TJC3224K024_011R	2
QF1	320801003	Circuit breaker	CDB6iC25/3P（CB-60A C25）	2
SQ1	320301011	Limit switch	TZ8108	2
QF2	320803005	Circuit breaker	CDB6iC6/1P(CB-60A C6)	2
KM	320902009	Contactor	NC1-1810Z	2
FA	321202001	Alarm	AD118-22SM/R/AC/DC/24V	2
QS	320304001	Main switch	LW26GS-20-04	2
SB1,SB2,SB3	320401042	Button	NP2-EA11（CDLA6H-EA11）	6
U	321004142	Switch power supply (380V/400V)	DHR-120-24 320V-440VAC	2
	321103414	Switch power supply (220V)	DHR-120-24 100-120VAC/200-240VAC	2
U	321103418	Switch power supply (replace 321004142, 321103414 since Mar.1st ,2025)	WTR-W150/24 200~500VAC	2
PG	321004119	Rope sensor	2000mm/WF50-E-02	2
YA1,YA2	330310005	Electromagnet	6254E-A14	4
YA1,YA2	330310186	Electromagnet (replace 330310005 since Aug.8th,2025)	E25-A14	4
-	321301027	Circuit board	433	2
-	321004145	Disconnecting device	AC/DC 24V-48V	2
SQ2,SQ3	320301026	Micro switch	CMV101D	4

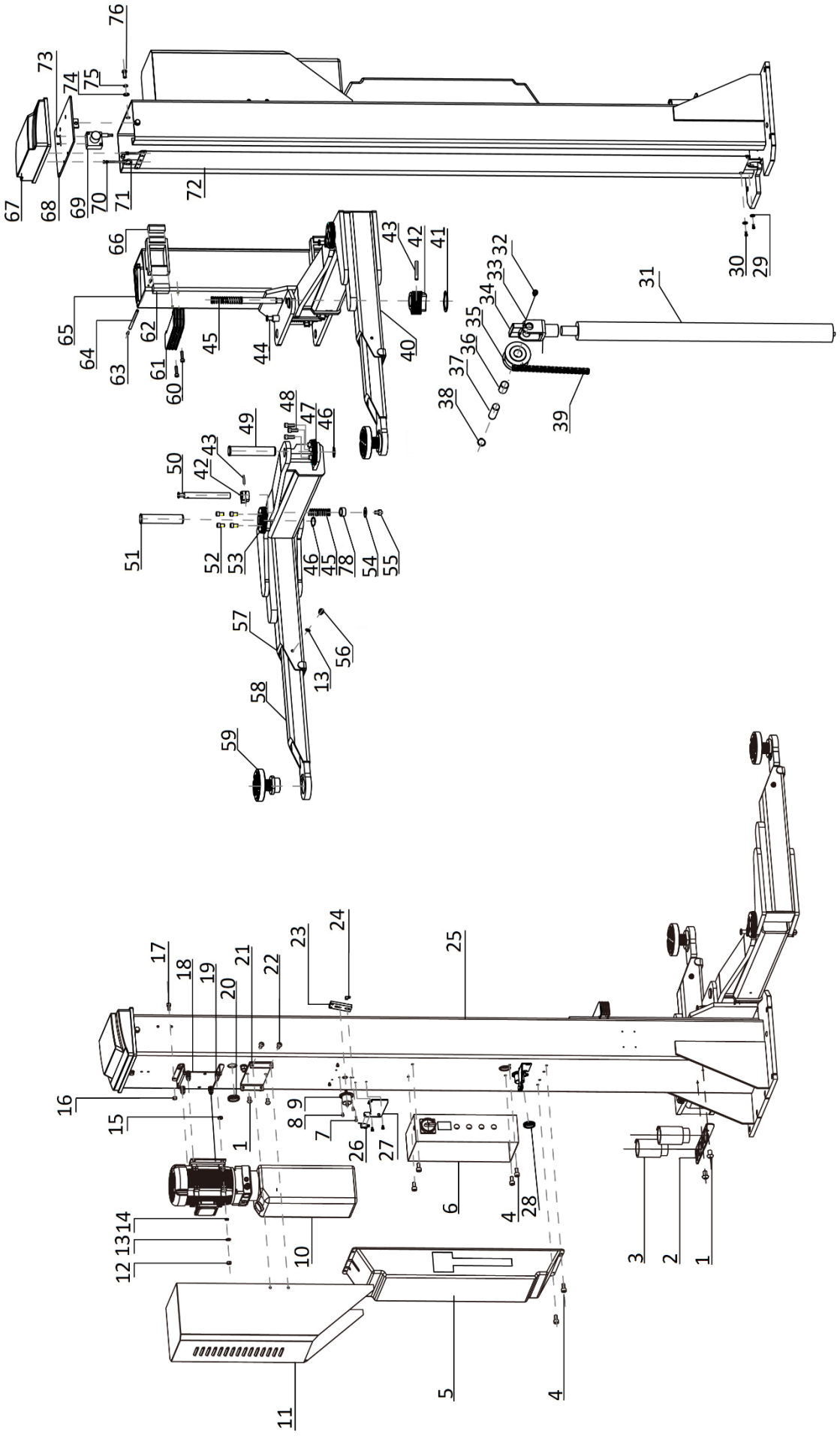
15.7 Detailed drawing and parts description of the lifting platform



S/N	Code	Description	Specification	Quantity
1	320203005	Motor	400V-3.5KW -3PH-50HZ-2P	1
2	330404007	Coupling	46mm（LBZ-T202BK-1）	1
3	330304007	Relief valve	YF08-40	1
4	207101100	Type O seal ring	EKM,6.5*1.5	7
5	210101015	Fitting	YBZ1-PG02A	7
6	330101111	Hydraulic block	LBZ-T202BK-1	1
7	330308037	Pressure compensating valve	BL-I2.2	1
8	330308033	Pressure compensating valve	BL-I1.0	1
9,10	791150005	Solenoid valve assembly (include part No.9-1, 9-2,9-3 and 9-4)	DC24V	2
9-1	330308032	Solenoid plug	DIN43650-DC	2
9-2	330308031	Solenoid	LC2-0-C-2H,24VDC	2
9-3	330311005	Valve spool	24DC(Keta)（LSV-08-2NCP-M-2H）	2
9-4	203204102	Locking nut	FHLM-1/2-20UNF	2
11	330201012	Gear pump (3.5kW-3Ph-50Hz)	CBK-F242-H	1
12	202109144	Bolt	M5*18	4
13	204101003	Flat washer	M5	4
14	330502013	Breather	YBZ-BT-M30*2-B	1
15	330405066	Oil reservoir	SLYX-8L-L-BX	1
16	330302004	Non-return valve	ILCV2000-G1/4	1
17	207103019	Composite washer	M14	1
18	210101004	Hex socket fitting	G1/4	1
19	210101013	Fitting	M14*1.5	1
20	207103019	Composite washer	M14	1
21	202109145	Bolt	YBZ-E3D4H1/10-02	4
22	207101098	Type O seal ring	109*5.3	1
23	204201013	Spring washer	M8	2
24	204101005	Flat washer	M8	2
25	202109072	Hex socket cylinder head screw	M8*85 8.8	1
26	330402016	Oil-return pipe	YBZ-E2D1/1-01(340mm)	2
27	330401024	Oil-suck pipe	YBZ-SJYG350	1
28	330403003	Filter	YBZ-E2D3I1/1-10	1



S/N	Code	Name	Specification	Quantity
1	622034422	Aggregate	380V/400V-3,5KW-3PH-50HZ-2P	1
2	624008247	Rubber oil hose	L=400mm	1
3	615022014	Right-angled plug	612E-A8	1
4	624002004B	Rubber oil hose	L=2265mm	1
5	615068428	Hydraulic cylinder	YG85-95-40-930	1
6	615068806	Composite connector	NPT3/8-G1/4-60mm	1
7	207103025	Composite disc	13_7X20X1_5	2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S/N	Code	Name	Specification	Quantity
1	202110004	Hex socket button head screw	M8X12-GB70_2	8
2	410901744	Holder for height adapter	6254E-A1-B1-C6-V0	2
3	612013002	Height adapter	6214EKZ-A4-B5	4
4	202109019	Hex socket cylinder head screw	M6X12-GB70_1	16
5	420680132	Cover	E25-A1-B3-1	2
6	614901773	Control box assembly	E28-A15-B1-3	2
7	202109020	Hex socket cylinder head screw	M6X15-GB70_1	4
8	202109017	Hex socket cylinder head screw	M6X8-GB70_1	8
9	330310005	Electromagnet	6254E-A14	4
9	330310186	Electromagnet (replace 330310005 since Aug.8th ,2025)	E25-A14	4
10	622034422	Power unit assembly	380V/400V-3.5KW -3PH-50HZ	2
11	614901871	Motor housing assembly	62B-A22-B1-1	2
12	203101006	Hex nut	M10-GB6170	14
13	204201005	Spring washer	D10-GB93	8
14	204101006	Flat washer	D10-GB95	8
15	420040010	Anti-shock pad	6254E-A23	8
16	203101006	Hex nut	M10-GB6170	14
17	202109041	Hex socket cylinder head screw	M10X20-GB70_1	6
18	410901745	Holder for power unit	6254E-A1-B1-C10-V0	2
19	201103004	Hex head full threaded bolt	M10X35-GB5783	8
20	420040030	Line protective ring	6254E-A21	4
21	410912142	Motor housing holder	62B-A22-B2-1	2
22	202110005	Hex socket button head screw	M8X20-GB70_2	8
23	410040061	Locking plate assembly	6254E-A13	4
24	410040071	Orientation block	6254E-A17	4
25	614901992	Column assembly	E25-A1-B1-V1	2
26	320301026	Micro switch	CMV10011C2	4
27	410911801	Installation plate for micro switch	E25-A1-B10-C1-1	4
28	420040020	Line protective ring	6254E-A22	4
29	204101004	Flat washer	D6-GB95	8
30	202101027	Cross socket cap head screw	M6X8-GB818	4
31	615068428	Oil cylinder	YG85/95-40-930	2
32	202109017	Hex socket cylinder head screw	M6X8-GB70_1	4
33	612013201	Chain wheel support	F12-A5-B1	2
34	410542083	Chain stop plate	F12-A5-B4	2
35	410132021	Chain wheel	F12-A5-B3	2
36	205101024	Bushing	3055-SF-1X	2
37	410132011	Shaft of chain wheel	F12-A5-B2	2
38	204301011	Circlip	D30-GB894_2	4
39	208108011	Chain	LH1266-127	2
40	614901752	Mid arm A	E25-A4-B2	2
41	204301009	Circlip	D25-GB894_2	4
42	410901966	Semi teeth block	6255E-A3-B6	8
43	206102013	Cylindrical pin	D6X40-GB879	8
44	410902399B	Pull rod	6255E-A3-B4-C1-1	4
45	410150121	Pressure spring	6254E-A2-B4	4
46	204301013	Circlip	D38-GB894_1	4

S/N	Code	Name	Specification	Quantity
47	410901967	Semi-teeth block	6255E-A4-B5	4
48	202109085	Hex socket cylinder head screw	M12X30-GB70_1	12
49	410049031B	Pin shaft 1	6254E-A12	4
50	410911700	Pull rod for joint arm	E25-A4-B6	4
51	410911709	Pin shaft 2(for middle joint arm lock)	E25-A4-B10	4
52	202109050	Hex socket cylinder head screw	M12X20-GB70_1	16
53	410911699	Teeth wheel	E25-A4-B5	4
54	410911710	Washer for pressure spring	E25-A4-B7	4
55	208109039	Universal ball bearing	BCHL12-M12X15-11	4
56	202109040	Hex socket cylinder head screw	M10X16-GB70_1	4
57	614901754	Mid arm B	E25-A5-B1	2
58	614901753	Retractable arm	E25-A4-B3	4
59	615035022	Lifting tray	6214EKZ-A4-B4-V0	4
60	202109031	Hex socket cylinder head screw	M8X30-GB70_1	4
60	202109027	Hex socket cylinder head screw (For EEGM rubber pad)	M8X12-GB70_1	4
61	420680124	Protective rubber pad	62B-A3-B11	2
61	420680195	Protection rubber pad (EEGM)	62CV3-A50	2
62	410902400	Slider	E25-A3-B2	6
63	202109020	Hex socket cylinder head screw	M6X15-GB70_1	4
64	410130061	Tube	6255E-A3-B2	2
65	614901991	Carriage	E25-A3-B1-V2	2
66	420010010	Slider	6254E-A2-B5	2
67	420130030	Top cover	6255E-A12	2
68	614901529	Top pate	E25-A1-B2	2
69	321004119	Rope sensor	WF50-0002-0612C24	2
70	203101004	Hex nut	M6-GB6170	8
71	410010051	Installation rod for column curtain	6254E-A1-B5	4
72	615013002B	Column curtain	6255E-A5	2
73	202109008	Hex socket cylinder head screw	M5X12-GB70_1	4
74	204101007	Flat washer	D12-GB95	6
75	204201006	Spring washer	D12-GB93	6
76	201102026	Hex head full threaded bolt	M12X25-GB5783	6
77	614901751	Support arm	E25-A4-B3	4
78	410912764	Limit tube	E25-A4-B11	4

EC-declaration of conformity

CE

The company

Twin Busch GmbH | Amperestr. 1 | D-64625 Bensheim

hereby declares that the **2-post vehicle lift**

TW250W (EE-E25) **| 5.000 kg**
TW280W (EE-E28) **| 8.000 kg**

Serial number:

in these configurations we have placed on the marked complies with the relevant essential health and safety requirements of the following EC-directive(s) in its/their current version(s).

EC-directive(s)

2006/42/EC	**Machinery**

Applied harmonized standards and regulations

EN 1493:2022	**Vehicle Lifts**
EN 60204-1:2018	**Safety of Machinery – Electrical Equipment of Machines**
EN 12100:2010	**Safety of machinery - General principles for design - Risk assessment and risk reduction**

CE Certificate

MD-391 Issue 1

date of issue:	27.02.2023
place of issue:	Helsinki
technical file no.:	SHES211002005801-01/02/03

Certification body

SGS Fimko Ltd.,
Takamotie 8,
FI-00380 Helsinki
Notified Body Appointment No.: 0598

In the case of improper use, as well as in the case of assembling, modification or changes which are not agreed with us, this declaration will lose its validity.

Authorized person to compile technical documentation is: Michael Glade (adress as below)

TWIN BUSCH GERMANY
TWIN BUSCH GmbH
Amperestr. 1 · 64625 Bensheim
Tel. 06251 / 70585-0 · Fax: 70585-29

Authorized signatory: Michael Glade
Bensheim, 10.03.2023 Qualitätsmanagement

EC DECLARATION OF CONFORMITY

CE

The undersigned, **Lansing.Chen** representing the following:

Manufacturer's Name: EAE AUTOMOTIVE EQUIPMENT CO., LTD.

Address: 1089 North Yunlian Rd, Wujiang E.D.Z., Suzhou, Jiangsu, P.R.C.

Declares that the controller mentioned hereafter

Name: Controller with Wireless Module

Model No.: PNLIFT-23E-433M

Power supply: 24V DC

Radio Frequency: 433.05- 434.79 MHz

Transmission power: 9.68 dBm

Is in conformity with the Radio Equipment Directive (RED) 2014/53/EU, Electromagnetic Compatibility Directive 2014/30/EU and General Product Safety Directive 2001/95/EC

Applicable standards:

EN 300 220-1 V3.1.1, EN 300 220-2 V3.1.1, EN 301 489-1 V2.2.3, EN 301 489-3 V2.3.2,
EN 62479:2010
EN 55032:2015+A11:2020+A1:2020, EN 55035:2017+A11:2020
EN IEC62368-1:2020 +A11:2020

Verification of Compliance certificate number:

KSCR240900170201MDC
KSCR240900170301MDC
GPSD SUE2409001358AT

Manufacturer's legal representative:

Signature: Lansing.chen **Qualification:** Certification Manager

Place: SHANG HAI, CHINA **Date:** 09.10.2024

You can find more products at:

twinbusch.co.uk

Twin Busch UK LTD
Kettering
Northants NN16 8PS

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Web: www.twinbusch.co.uk