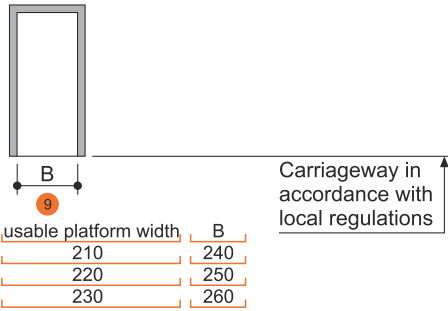
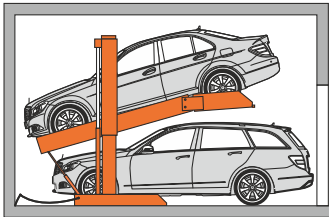


Width dimensions

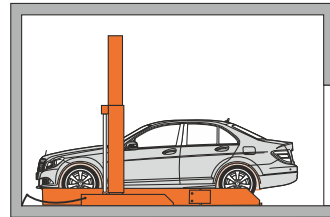


Function

System lifted

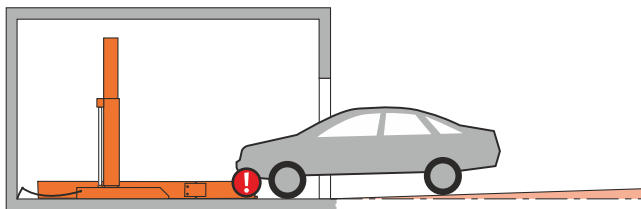


System lowered

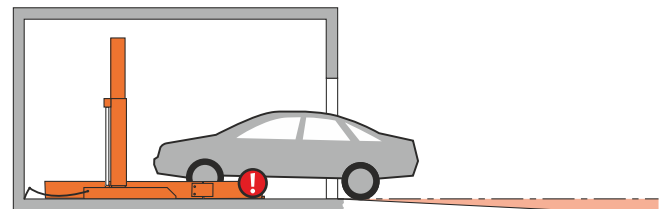


Before lowering the platform, the vehicle parked on the lower parking space must be driven off!

Approach



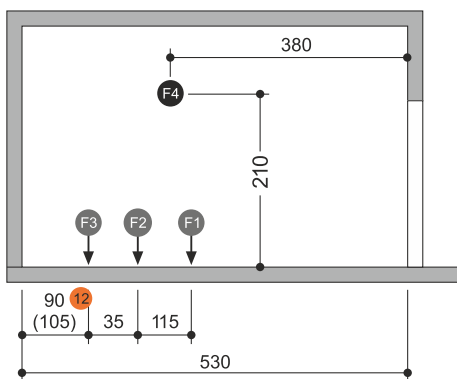
maximum
descending
slope 4 %



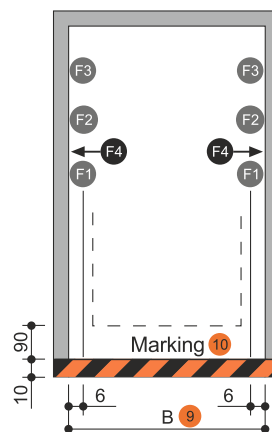
maximum
ascending
slope 14 %

! The illustrated maximum approach angles must not be exceeded. Incorrect approach angles will cause serious maneuvering & positioning problems on the parking system for which the local agency of the KLAUS Multiparking accepts no responsibility.

Load plan



platform load	F1	F2	F3	F4	11
2500 kg	-6	+22	-6	±1	



! Units are dowelled to the floor. Drilling depth: approx. 15 cm.
Floor and walls are to be made of concrete (quality minimum C20/25)!
The dimensions for the points of support are rounded values. If the exact position is required, please contact KLAUS Multiparking.

9 Dimension B see above

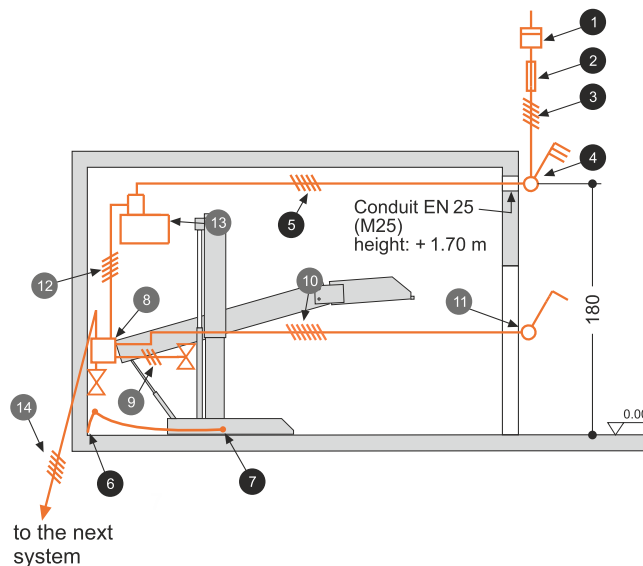
10 Marking compliant to ISO 3864
(colors used in this illustration are representative)

11 All forces in kN (Static Loads)

12 Version 1 and 2 see page 1

Electrical installation

Installation diagram



Electrical data (to be performed by the customer)

No.	Quantity	Description	Position	Frequency
1	1	Electricity meter	in the supply line	
2	1	Main fuse: 3 x fuse 16 A (slow) or circuit breaker 3 x 16 A (trigger characteristic K or C)	in the supply line	1 per Hydraulic power pack unit
3	1	Supply line 5 x 2.5 mm ² (3 PH + N + PE) with marked wire and protective conductor	to main switch	1 per Hydraulic power pack unit
4	1	RCBO (or MCB + ELCB), 16 Amp./4 Pole, 100 mA (for 1.5 KW HPP motor rating) RCBO (or MCB + ELCB), 25 Amp./4 Pole, 100 mA (for 3.0 KW HPP motor rating)	defined at the plan evaluation	1 per Hydraulic power pack unit
5	1	Supply line 5 x 2.5 mm ² (3 PH + N + PE) with marked wire and protective conductor	from main switch to unit	1 per Hydraulic power pack unit
6	every 10 m	Foundation earth connector	corner pit floor	
7	1	Equipotential bonding from foundation earth connector to the system		1 per system

Electrical data (included in delivery of KLAUS Multiparking)

No.	Description
8	Terminal box
9	Control line 3 x 0.75 mm ² (PH + N + PE)
10	Control line 5 x 0.75 mm ² with marked wire and protective conductor
11	Operating device
12	Control line 5 x 0.75 mm ² with marked wire and protective conductor
13	Hydraulic unit 1.5 kW, three-phase current, 415 VAC / 50 Hz or Hydraulic unit 3.0 kW, three-phase current, 415 VAC / 50 Hz
14	Control line 5 x 0.75 mm ² with marked wire and protective conductor

Technical data

Field of application

Generally parking system is suitable for the same car length for which the wheel stop is adjusted at the time of installation. In case different car is to be parked, wheel stop adjustment confirmation from KLAUS Multiparking shall be required.

Units

we recommend that parking system's garage be built separately from the dwelling.

Available documents

- Wall recess plans
- Maintenance offer/contract
- Declaration of conformity

Building application documents

According to LBO and GaVo (garage regulations) the Multiparking systems are subject to approval.

Care

To avoid damages resulting from corrosion, make sure to follow our cleaning and care instructions and to provide good ventilation of your garage.

Railings

If there are traffic routes next to or behind the installations, railings must be installed by the customer. Railings must also be in place during construction.

Environmental conditions

Environmental conditions for the area of multiparking systems: Temperature range 5° C to +40° C. Maximum outside temperature of +45° C.

If the local circumstances differ from the above, please contact KLAUS Multiparking.

CE Certification

The systems offered correspond to DIN EN 14010 and the EC Machinery Directive 2006/42/EG.

Page 1
- Section
- Dimensions
- Car data

Page 2
- Width dim.
- Function
- Approach
- Load plan

Page 3
- Electrical installation
- Technical data

Page 4
- To be performed by the customer
- Description

To be performed by the customer

Safety fences

Any constraints that may be necessary in order to provide protection, for pathways directly in front, next to or behind the unit. This is also valid during construction.

Numbering of parking spaces

Consecutive numbering of parking spaces.

Marking

A warning that identifies this danger area must be placed in the entrance area. This must be done for systems without a pit 10 cm from the edge of the platform.

Building services

Any required lighting, ventilation, fire extinguishing and fire alarm systems as well as clarification and compliance with the relevant regulatory requirements.

Wall cuttings

Any necessary wall cuttings according to page 1.

Electrical supply to the power point/foundation earth connector

Main power point: 4 pole RCBO (or MCB + ELCB), 16 Amp IDN (sensitivity/leakage current) 100 mA.

The functionality can be monitored on site by our filters together with the electrician. If this cannot be done during installation for some reason for which the customer is responsible, the customer must commission an electrician at their own expense and risk.

Electrical equipment, grounding of the steel structure is necessary, provided by the customer (distance between grounding max. 10 m.)

Description Single platform (EB)

General description

Multiparking system providing dependent parking spaces for 2 cars one on top of the other each. The lower vehicle parks directly on the floor. The vehicle parked on the bottom must be driven out before lowering platform.

Dimensions are in accordance with the underlying dimensions of height and width.

The upper vehicle is driven onto and parked on an inclined platform with a slope of approx. 5 %.

Vehicles are positioned on the upper parking space using wheel stop on the left side (adjust according to operating instructions).

The user is responsible for positioning the vehicle.

Operation via operating device with hold-to-run-device using master keys.

The operating elements are usually mounted either in front of the column or on the outside of the door frame

Operating instructions are attached to each operator's stand.

For garages with doors at the front of the parking system the special dimensional requirements have to be taken into account.

Multiparking system consisting of:

- 2 steel pillars with bases that are mounted on to the floor
- 2 sliding platforms (mounted to the steel pillars with sliding bearings)
- 1 platform
- 1 telescopic taught rod between platform and base plates, a mechanic synchronization control system (to ensure synchronous operation of the sliding platforms while lowering and lifting the platform)
- 1 hydraulic cylinder
- Automatic mechanic locking system (prevents accidental lowering of the platform from its upper limit position)
- Dowels, screws, connecting elements, bolts, etc.
- The platforms and parking spaces are end-to-end accessible for parking.

Platforms consisting of:

- Platform base sections
- Adjustable wheel stops
- Canted access plates
- Side members
- Cross members
- Screws, nuts, washers, distance tubes, etc.

Hydraulic system consisting of:

- Hydraulic cylinder
- Solenoid valve
- Safety valve
- Hydraulic pipes
- Screwed joints
- High-pressure hoses
- Installation material

Electric system consisting of:

- Operating device (Emergency Stop, lock, 1 master key per parking space)
- Terminal box at wall valve
- Electrical locking device

Hydraulic unit consisting of:

- Hydraulic power unit on metal mounting
- Hydraulic oil reservoir
- Oil filling
- Internal geared wheel pump
- 3-phase-AC-motor
- Contactor (with thermal overcurrent relay and control fuse)
- Pressure relief valve
- Hydraulic hoses (which reduce noise transmission onto the hydraulic pipe)

We reserve the right to change this specification without further notice

KLAUS Multiparking reserves the right in the course of technical progress to use newer or other technologies, systems, processes, procedures or standards in the fulfillment of their obligations other than those originally offered provided the customer derives no disadvantage from their so doing.