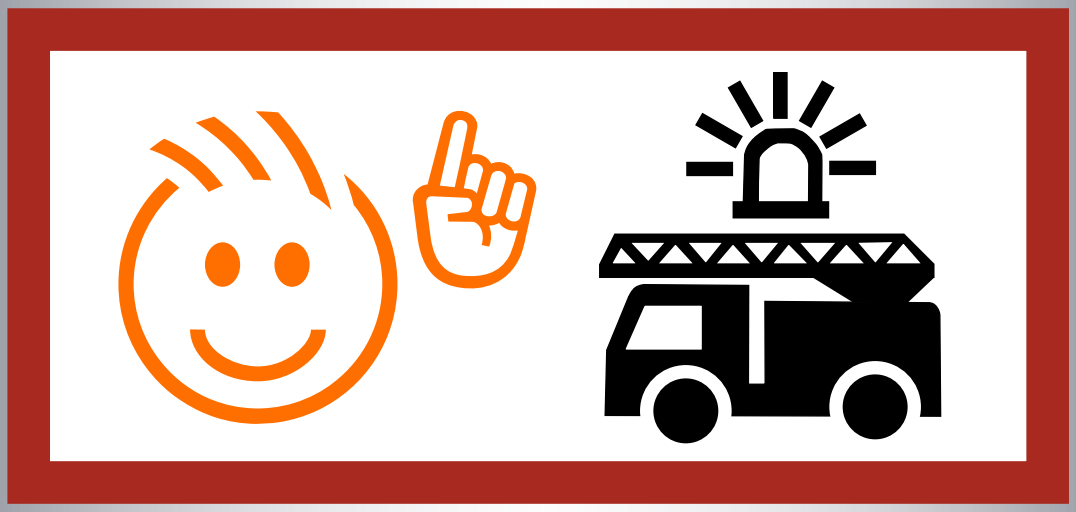
KLAUS MULTIPARKING



PRODUCT DATA

FIRE PROTECTION INFORMATION FOR DOOR SYSTEMS,
FIRE SERVICE POSITION AND FIRE-EXTINGUISHING SYSTEMS

trendvario 6000

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Explanation of symbols

Additional information on product data

Door system

Vertical doors

Fire protection

- Emergency unlocking from the outside with fire service triangular key M10 in accordance with DIN 3223
- Filling can be kicked out
- Auxiliary control – fire service position, page 3
- Auxiliary control – fire alarm system integration, page 3

Filling	Options for extinguishing measures
Aluminium perforated plate ■ Round perforation ø 8 mm, hole spacing 14 mm ■ Thickness 1.5 mm ■ Ventilation cross-section of the filling approx. 30%	■ Emergency unlocking from the outside ■ Kick out filling

Sliding doors

Fire protection

- Emergency unlocking from the outside with KLAUS Multiparking special key
- Filling, can be kicked out (depending on version)
- Auxiliary control – fire service position, page 3
- Auxiliary control – fire alarm system integration, page 3

Door filling	Options for extinguishing measures
Aluminium perforated plate ■ Round perforation ø 8 mm, hole spacing 14 mm ■ Thickness 1.5 mm ■ Ventilation cross-section of the filling approx. 30%	■ Emergency unlocking from the outside ■ Kick out filling
Plain aluminium sheet ■ without opening ■ Thickness 2 mm	■ Emergency unlocking from the outside
Corrugated steel sheet ■ without opening ■ Thickness 1 mm	■ Emergency unlocking from the outside
Wood filling ■ without opening ■ Vertical tongue and groove boards	■ Emergency unlocking from the outside
Composite safety glass ■ without opening ■ Composite safety glass from 8/4 mm	■ Emergency unlocking from the outside
Wire mesh ■ Mesh size 12 x 12 mm ■ Wire gauge 2 mm ■ Ventilation cross-section of the filling approx. 70%	■ Emergency unlocking from the outside ■ Spray-through ■ Kick out filling

Auxiliary control – fire service position

General information

In the event that the fire service or corresponding authorities require the lower spaces of the TrendVario 6000 series to be accessible to facilitate fire fighting, we can, where possible, offer the following “fire service position” auxiliary control. We wish to point out that this merely a proposal by KLAUS Multiparking GmbH and the client must seek approval from the relevant authorities, if required.

Description

In its standard configuration, the normal position of the parking system is always such that at entrance level, there is no opening behind the closed doors and access to the pits is not possible. After completion of the parking process, a platform is lowered in a freely selectable grid to create an opening by using the “fire service position” auxiliary control. For security reasons, this opening is behind the closed doors! The customer must provide information on the grid required in this version promptly before production commences. The customer may be required to mark the respective door for identification and must do so in liaison with the relevant authorities.

Operation

The user uses the encoded key to select his space. The door is then opened and the user parks or retrieves the vehicle. Once parking/retrieval is complete, the door needs to be closed. Once the door is closed, the fire service opening is provided automatically via the control system.

Door opening for the fire service

Vertical door/sliding door with electrical drive system:

- The door, defined as fire service access, can be opened from the outside with fire service triangular key M10 in accordance with DIN 3223. This key switch is installed next to the defined grid.
- In the event of a power failure, the door can only be opened via the emergency unlocking function.

Fire service access

The components provided solely for the fire service, which allow the grid door to be opened even when there is a risk of falling, must be kept under lock and key. They may only be used by the fire service and not unauthorised personnel. The operating company remains responsible for these components.

Auxiliary control – fire alarm system integration

General information

If the fire service or the responsible authorities require a door of the TrendVario 6000 series parking system to open automatically if a signal is received from the on-site fire alarm system, we offer this in the form of the “fire alarm system integration” auxiliary control described below.

Description

The “fire alarm system integration” auxiliary control allows the parking system of the TrendVario 6000 series to open the door automatically within a freely selectable grid as soon as a signal, whether permanent or temporary, is received from the on-site fire alarm system. Prerequisite here is that the parking system is in a functional state and in its home position, in which all openings are securely closed by platforms. This safety measure ensures that there is no danger of a fall at any time. The customer must provide information on the grid required in this version in plenty of time before production commences on site.

Operation

If the signal from the on-site fire alarm system drops out and the parking system is in a functional state, the door can be closed again automatically by a user. The parking system is then ready for use again

To be performed by the customer

On site, the signal from the fire alarm system must be run through a 3-wire cable to the transfer box of the parking system. This transfer box is located at the gate of the selected grid. The parking system outputs a reference voltage of 24 V.

Technical information

Fire protection

The requirements relating to fire protection, and requisite facilities (fire-extinguishing systems and fire alarm systems, etc.) depend on local regulations and circumstances. Consequently, we are not able to provide detailed information on implementation of fire protection facilities.

Fire-extinguishing systems

If fire-extinguishing systems are required, the customer must ensure that sufficient clearance is provided. The dimensions specified in the product data sheet are minimum finished dimensions and are provided for the purpose of fire-extinguishing system planning.
An example draft plan for a fire-extinguishing system on our parking system may be requested from KLAUS Multiparking, if required.
Installation of the fire-extinguishing system must take place on site after installation of the parking system.

Subject to technical changes

In the course of technical progress, KLAUS Multiparking shall be entitled to use newer or different technologies, systems, processes or standards to provide the services than initially offered, provided that this does not disadvantage the customer in any way.

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