CLAIMS

1. A method (200) for installing a plurality of door components (30, 31, 33, 34, 35, 36, 37, 38, 39, 51, 52, 53)
wherein the method (200) comprises at least the following steps:

a. providing at least one preconfigured door system type (70, 71) by way of an electronic configuration system for selection by a user,
wherein the at least one preconfigured door system type (70, 71) can be retrieved from a database (20) by the electronic configuration system,
wherein at least one preconfigured door system type (70, 71) can be preselected by the electronic configuration system by way of at least one technical and/or functional user specification,
wherein the door system type (70, 71) comprises a plurality of defined door component types (40, 41, 42, 43, 44, 45, 46, 47, 48, 49),

b. electronic provision of preconfigured technical data (81, 82) of the selected door system type (70, 71) in order to carry out the installation on site, wherein the data (81, 82) comprises an electronic configuration (82) of the door system (60, 61).

2. The method (200) according to claim 1, wherein, if the user input comprises the use of a hazardous situation, in particular the use to provide an escape route and/or fire protection, in step a. only the at least one door system type (70, 71) is made available for selection, which fulfills a specification for the hazardous situation at the installation location, which serves to protect human life.

3. The method (200) according to claim 1 or 2, wherein prior to step a., a digital building plan is read into the electronic configuration system, wherein after step a., the selected door system types (70, 71) are assigned to different installation locations, in particular wherein the configuration system verifies electronically whether the selected door system types (70, 71) are consistent with the installation location or are consistent with door system types (70, 71) that are on a walkable route on the building plan.

4. The method (200) according to one of the preceding claims, wherein the

same door system type (70, 71) is automatically provided by the configuration system for further doors of a spatial region in step a., wherein in particular the type of provision indicates to the selecting user that the door system type (70, 71) has already been used, and/or wherein a reduced number of door system types (70, 71) are available for preselection for a user or a user group through the electronic configuration system.

5. The method (200) according to one of the preceding claims, wherein the electronic configuration system comprises a plurality of authorization levels, wherein each user is assigned to an authorization level, wherein at least two, preferably all, of the following authorization levels are provided:

- a first authorization level that allows a new door system type (70, 71) to be created,
- a second authorization level that allows a preconfigured door system type (70, 71) to be selected and/or user specifications to be set, but not a new door system type (70, 71) to be created,
- a third authorization level that allows data (81, 82) of the selected door system type (70, 71) to be retrieved, but not the door system type 70, 71) to be selected, user specifications to be set or a new door system type (70, 71) to be created,

wherein the authorization levels are defined in the electronic configuration system, wherein the authorization levels are linked to an authentication of the user.

6. The method (200) according to one of the preceding claims, wherein the preconfigured technical data (81, 82) that is made available in step b. is stored in a database (20, 21) linked (80) to the door system type (70, 71), wherein the preconfigured data (81, 82) relates to a plurality of, in particular all, door components (30, 31, 33, 34, 35, 36, 37, 38, 39, 51, 52, 53) of a door system (60, 61), wherein the preconfigured data (81, 82) can be viewed and/or downloaded from the database (20, 21) upon input by a user, wherein the input contains the door system type (70, 71) or information that is linked to the door system type (70, 71), in particular an installation location or an identifier of the door system (60, 61).

7. The method (200) according to one of the preceding claims, characterized in that the preconfigured data (81, 82) comprises a circuit diagram (81) of the door system (60, 61), wherein the circuit diagram (81) can be viewed and/or downloaded from the configuration system and/or from a database (20, 21) onto a mobile terminal (50), wherein in particular the installation location on the digital building plan, the door system type (70, 71) or an identifier of the door system (60, 61) is input into the mobile terminal (50).

8. The method (200) according to one of the preceding claims, characterized in that ~~the data (81, 82) comprises an electronic configuration (82) of the door system (60, 61), wherein~~ the electronic configuration (82) comprises at least one, preferably a plurality of, particularly preferably all of the following electronic data:

- provided door component types (40, 41, 42, 43, 44, 45, 46, 47, 48, 49) of the door system (60, 61)
- transmitters and/or receivers of messages within the door system (60, 61)
- functional processes of the door system (60, 61), in which a plurality of processes are to be carried out in a specified order, wherein the electronic configuration comprises a computer program product or instructions for executing a computer program product, by means of which the functional process can be controlled,
- parameters for operating the door system (60, 61)
- a test process for the door system (60, 61), in which at least one function or a functional process of the door system (60, 61) is tested for commissioning.

9. The method according to one of the preceding claims, wherein a door component is designed as a control unit (30), wherein the electronic configuration (82) of the door system (60, 61) is stored in the control unit (30) and/or wherein further door components (31, 33, 34, 35, 36, 37, 38, 39, 51, 52, 53) belong to at least one door component group, preferably to a plurality of the following door component groups:

- motorized door drive (35, 36)
- locking element (33, 34, 52)
- signal transmitter (30, 37, 38, 51, 53) for opening, stopping, closing, locking or unlocking a door, in particular a sensor (37, 38), an authentication device (30), an escape route controller (51) or a hazard detector (53),

- detection unit (31) for receiving an access attribute.

10. The method (200) according to one of the preceding claims, wherein an access system (100), in particular a control unit (30), has knowledge of the door component types (40, 41, 42, 43, 44, 45, 46, 47, 48, 49) actually installed in the door system (60, 61) and compares it with provided door component types (40, 41, 42, 43, 44, 45, 46, 47, 48, 49) of the door system (60, 61) in the electronic configuration (82), wherein if the installed door components types (40, 41, 42, 43, 44, 45, 46, 47, 48, 49) deviate from the provided door component types (40, 41, 42, 43, 44, 45, 46, 47, 48, 49), it is predefined in an electronically stored manner how the installation process is to be continued.

11. The method (200) according to claim 10, wherein the start-up of an operation of the door system (60, 61) is electronically prevented in the event of a defined deviation, wherein, if there is a defined deviation, the use of an alternative door system type (70, 71) which corresponds to the actually installed door component types (40, 41, 42, 43, 44, 45, 46, 47, 48, 49) is checked in the configuration system, wherein the installed door components (40, 41, 42, 43, 44, 45, 46, 47, 48, 49) are then installed as part of the alternative door system type (70, 71) with the electronic configuration of the alternative door system type (70, 71).

12. The method (200) according to one of the preceding claims, wherein the door components (40, 41, 42, 43, 44, 45, 46, 47, 48, 49) of the door system (60, 61) are connected to one another in terms of information technology.

123. The method (200) according to one of the preceding claims, wherein the control unit (30) has knowledge of door component types (40, 41, 42, 43, 44, 45, 46, 47, 48, 49) actually installed in the door system (60, 61) by registering further door components (31, 33, 34, 35, 36, 37, 38, 39, 51, 52, 53) with the control unit (30), specifying the door component type (40, 41, 42, 43, 44, 45, 46, 47, 48, 49), wherein in particular further door components and the control unit are connected to a bus system (32, 55).

143. The method (200) according to one of the preceding claims, wherein prior

to step a., an identifier of the installed door component (30, 31, 33, 34, 35, 36, 37, 38, 39, 51, 52, 53) is stored in the access system (100), in particular in a computing unit (10), together with at least one other feature of the door component, in particular the door component type (40, 41, 42, 43, 44, 45, 46, 47, 48, 49), wherein at the end of the installation, the identifier of installed door components (30, 31, 33, 34, 35, 36, 37, 38, 39, 51, 52, 53) is assigned to an identifier of the door system (60, 61) and stored in the computing unit (10).

15~~4~~. A computer program product for carrying out the method (200) according to one of claims 1 to 14~~3~~.

16~~5~~. A computing unit (10) or access system (100) for carrying out the method (200) according to one of claims 1 to 14~~3~~.