**Description record PROTECT IP65**

record PROTECT IP65 is an operator for sliding doors with IP65 encapsulated modules, where the operator, locking, battery as well as extension module are housed in sealed stainless-steel housings consisting of stainless steel 1.4404 (AISI 316L), which offer unique resistance to water, moisture and dust.

Works reliably - always regardless of environmental conditions such as near the sea, on ships, in swimming pools or in tropical areas.

The well-known record System 20 door system is extended by the IP65 protection class variant according to DIN EN 60529 (IEC60529/VDE 047).

record PROTECT IP65 is uncompromising in terms of design when it comes to integrating the drive components, safety sensor technology and options such as digital operating units with IP55 protection, locks, rechargeable batteries for emergency operation.

record PROTECT IP65 is based on the components of System 20 and, in addition to its exceptional running smoothness, is suitable for applications up to 2 x 110 kg and is also available for escape and rescue route applications.

Interactive communication of electronic components is done via a proprietary BUS system. This allows a continuous monitoring of the electronic control and components, during which they are subjected to a plausibility check. This increases the safety and protection level of the entire system. Thanks to the door system's ability to learn, possible malfunctions are reduced to a minimum.

The doors can be operated via a remote control with a graphic display with IP55 protection. Navigation is carried out in a simple and intuitive way in the desired language and status information (status codes) is shown in plain text. Additional key switches are optionally available.

* Unique protection thanks to IP65 encapsulated modules, where the drive, interlock, battery as well as expansion module are protected in sealed stainless steel housings consisting of stainless steel 1.4404 (AISI 316L)
* Permanent monitoring of all safety relevant components
* Interactive communication capability with all record door system peripherals through CAN bus technology
* Vibration isolated track and low-noise roller technology
* Low maintenance toothed belt drive
* Self-learning 32 bit microprocessor control
* Creep function and automatic reversal in open and close directions, programmable
* Acceleration and deceleration in open and close directions, programmable

| **1** |  | Certification / approval / tested according to System corresponds to the currently valid state of the art and the required standards and guidelines:  * EN 16005 * EN ISO 13849-1 * EN 60335-2-103 * DIN 18650-1/-2 * AutSchR for sliding doors for use in escape and rescue routes | | | | | |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | **Tested and certified according to EN 60529**  (Test report: GJW2019-5062) | | | | | |  |  |
|  |  | Dimensions | | | | | |  |  |
|  |  | Clear passage width A | | | | | |  | | --- | | **mm** | |  |  |
|  |  | Total width | | | | | |  | | --- | | **mm** | |  |  |
|  |  | Clear opening height G | | | | | |  | | --- | | **mm** | |  |  |
|  |  | Operator height (200mm) | | | | | |  | | --- | | **mm** | |  |  |
|  |  | Total height | | | | | |  | | --- | | **mm** | |  |  |
|  |  | Surface treatment of the visible aluminium parts | | | | | |  |  |
|  |  | |  | | --- | |  | | Anodized | | Colour: | | |  | | --- | |  | |  |  |
|  |  | |  | | --- | |  | | Powder coating | RAL / NCS: | | | |  | | --- | |  | |  |  |
| |  | | --- | | **2** | | |  | | --- | |  | | Versions | | | | | |  |  |
|  |  |  | Linear classic sliding door record System 20 (single or double leaf) | | | | |  |  |
|  |  | |  | | --- | |  | | Bi-parting | | | | |  |  |
|  |  | |  | | --- | |  | | One-sided left | | | |  | | --- | |  | | One-sided right |  |  |
| |  | | --- | | **3** | | |  | | --- | |  | | Version for escape and rescue routes | | | | | |  |  |
|  |  | |  | | --- | |  | | RED (redundant design) | | | | |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  | | --- | | **4** | | |  | | --- | |  | | Profile / Glass / Sealing | | | |  | |  | |
|  |  | |  | | --- | |  | | Moving leaf with ISO 10 mm VSG | | | |  |  | |
|  |  | |  | | --- | |  | | Moving leaf with ISO 24 mm VSG | | |  | |  | |
| |  | | --- | | **5** | | |  | | --- | |  | | Side parts | | | |  | |  | |
|  |  | |  | | --- | |  | | Left | |  | | --- | |  | | Right |  | |  | |
| |  | | --- | | **6** | | |  | | --- | |  | | Installation type | | | |  | |  | |
|  |  | |  | | --- | |  | | Lintel mounting (on-wall mounting) | | |  | |  | |
|  |  | |  | | --- | |  | | Passageway mounting (unsupported) | | |  | |  | |
| |  | | --- | | **7** | | |  | | --- | |  | | Drive cover | | | |  | |  | |
|  |  | |  | | --- | |  | | fold-out (Standard) | | |  | |  | |
|  |  | |  | | --- | |  | | hinged (ceiling installation) | | |  | |  | |
|  |  | |  | | --- | |  | | lockable | | |  | |  | |
| |  | | --- | | **8** | | |  | | --- | |  | | Floor guide | | | |  | |  | |
|  |  | |  | | --- | |  | | Floor guide (Standard) | | |  | |  | |
| |  | | --- | | **9** | | |  | | --- | |  | | Operation | | | |  | |  | |
|  |  |  | Placement: | | |  | |  | |
|  |  | |  | | --- | |  | | Surface-mounted IP55 | |  | | --- | |  | | Flush-mounted |  | |  | |
|  |  | |  | | --- | |  | | Electronic control unit BDE-D (IP55)  with display and multilingual plain text display for user and menu guidance, with a wide range of programming functions. With electronic operating lock. | | |  | |  | |
|  |  | |  | | --- | |  | | Key switch BDE-M Operating modes: Automatic / manual operation / permanently open / locked | | |  | |  | |
|  |  | |  | | --- | |  | | Operating lock switch with lock cylinder | | |  | |  | |
| |  | | --- | | **10** | | |  | | --- | |  | | Sensors record sensor 290, self-learning through intelligent bus communication with the door control, from our own development and production in Switzerland, in the versions | | | |  | |  | |
|  |  | |  | | --- | |  | | Combination sensor RIC 290 (standard) Consisting of radar motion detector as pulse generator and infrared safety sensor for contactless protection of the area near the door | | |  | |  | |
|  |  | |  | | --- | |  | | Infrared motion detector and safety sensor AIR 290  as a pulse generator and for contactless protection of the area near the door | | |  | |  | |
| |  | | --- | | **11** | | |  | | --- | |  | | Protection of secondary closing edge: | | | |  | |  | |
|  |  | |  | | --- | |  | | Safety clearances (Standard) | | |  | |  | |
|  |  | |  | | --- | |  | | Protective wing (pivotable) | | |  | |  | |
|  |  | |  | | --- | |  | | Protective wing (slidable) | | |  | |  | |
|  |  | |  | | --- | |  | | Infrared safety sensor AIS 290 for non-contact protection | | |  | |  | |
| |  | | --- | | **12** | | |  | | --- | |  | | Locking Device | | | |  | |  | |
|  |  | |  | | --- | |  | | Electromechanical bolt lock, VRR 20 (Standard) | | |  | |  | |
|  |  |  | Mech. Manual Release: | | |  | |  | |
|  |  | |  | | --- | |  | | Inside | |  | | --- | |  | | Outside |  | |  | |
|  |  | |  | | --- | |  | | Key switch, mounting on the outside of the building | | |  | |  | |
|  |  | |  | | --- | |  | | External lock monitoring | | |  | |  | |
|  |  | |  | | --- | |  | | Optical locking indicator | | |  | |  | |
| |  | | --- | | **13** | | |  | | --- | |  | | Options | | | |  | |  | |
|  |  |  | Emergency module / Rechargeable battery: | | |  | |  | |
|  |  | |  | | --- | |  | | for emergency operation | |  | | --- | |  | | for emergency movement | |  | |  | |
|  |  | |  | | --- | |  | | Door leaf monitoring | | |  | |  | |
|  |  | |  | | --- | |  | | Redundancy in the escape route | | |  | |  | |
| |  | | --- | | **14** | | |  | | --- | |  | | **Assembly and commissioning** Complete assembly ready for operation, commissioning of the system and instruction of the operating personnel after installation. Mains connection and wiring must be carried out by the customer in accordance with the project-specific wiring plan prepared by record | | | |  | |  | |
| |  | | --- | | **15** | | |  | | --- | |  | | Warranty Typical for the country | | | |  | |  | |
| |  | | --- | | **16** | | |  | | --- | |  | | Service Typical for the country | | | |  | |  | |
| |  | | --- | | **17** | | |  | | --- | |  | | Technical requirements / Connected loads Connected load: 230 V 50 Hz max. 330 W rated power All empty conduits and wiring according to the wiring lan are provided by the customer | | | |  | |  | |