**Description record THERMCORD3**

Automatic record THERMCORD3 sliding door system with completely thermally separated building connection profile (cladding profile, vertical profile, floor rail) and fine framed thermally separated glass door leaf enables a building closure according to the state of the art.

record THERMCORD3 is uncompromising in terms of design when it comes to integrating the door system, drive components, safety sensor technology and options such as digital control units, various locks, batteries for emergency operation and much more. In addition, record THERMCORD3 not only offers exceptional running smoothness, but also an aesthetic, comfortable and tightly sealed room closure and is also suitable for particularly heavy applications weighing up to 2 x 200 kg - 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. 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.

* Superior sealing system of the main and secondary closing edges for increased air tightness
* 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
* Heat transfer coefficient up to 1.1 W/m2K nach EN 10077

| **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 by ift Rosenheim according to EN 16361**, complies with SIA 343  (Test report: 19-002763-PR01 and 19-002763-PR02)  Air permeability:   * Class PPD (3 /3 / 600)   Resistance to wind load   * Class PPD (600) A * Class PPD (400) B * Class PPD2 C   Watertightness   * Class E600   Direct airborne sound insulation index   * RW 35 dB | |  |  |
|  |  | Dimensions | |  |  |
|  |  | Clear passage width A | |  | | --- | | **mm** | |  |  |
|  |  | Total width | |  | | --- | | **mm** | |  |  |
|  |  | Clear opening height G | |  | | --- | | **mm** | |  |  |
|  |  | Operator height (150 or 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 THERMCORD3 with thermally separated building connection profile (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 30 mm VSG / ESG (Standard UG: 1.1W/m2K) | | | | | |  |  |
|  |  | |  | | --- | |  | | Moving leaf with customer specific infill 30 mm | | | | |  | |  |
| |  | | --- | | **5** | | |  | | --- | |  | | Side parts | | | | | |  | |  |
|  |  | |  | | --- | |  | | Left | | | |  | | --- | |  | | Right |  | |  |
| |  | | --- | | **6** | | |  | | --- | |  | | Installation type | | | | | |  | |  |
|  |  | |  | | --- | |  | | Lintel mounting (on-wall mounting) | | | | |  | |  |
|  |  | |  | | --- | |  | | Passageway mounting (unsupported) | | | | |  | |  |
|  |  | |  | | --- | |  | | Facade installation | | | | |  | |  |
| |  | | --- | | **7** | | |  | | --- | |  | | Drive cover | | | | | |  | |  |
|  |  | |  | | --- | |  | | fold-out (Standard) | | | | |  | |  |
|  |  | |  | | --- | |  | | hinged (ceiling installation) | | | | |  | |  |
|  |  | |  | | --- | |  | | lockable | | | | |  | |  |
| |  | | --- | | **8** | | |  | | --- | |  | | Floor rail | | | | | |  | |  |
|  |  | |  | | --- | |  | | Continuous recessed floor rail with water drain (Standard) | | | | |  | |  |
|  |  | |  | | --- | |  | | Continuous recessed floor rail without water drain | | | | |  | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  | | --- | | **9** | | |  | | --- | |  | | Operation | | | |  |  |
|  |  |  | Placement: | | |  |  |
|  |  | |  | | --- | |  | | Surface-mounted | |  | | --- | |  | | Flush-mounted |  |  |
|  |  | |  | | --- | |  | | Electronic control unit BDE-D (standard)  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 | | |  |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  | | --- | | **12** | | |  | | --- | |  | | Locking Device | | | |  | |  | |
|  |  | |  | | --- | |  | | Electromechanical bolt lock, VRR 20 (Standard) | | |  | |  | |
|  |  | |  | | --- | |  | | Motorised multi-point locking, MPV 20 | | |  | |  | |
|  |  |  | 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 | | |  | |  | |
|  |  | |  | | --- | |  | | Sluice control for 2 door systems | | |  | |  | |
|  |  | |  | | --- | |  | | 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 | | | |  | |  | |