

## TORMAX iMotion 1401 – Swing Door Drive



iMotion®  
the passion to drive doors



intelligent



modular



ecological



reliable

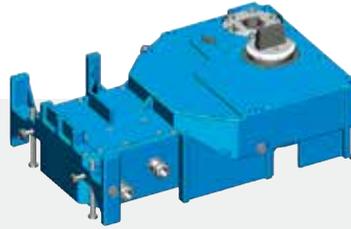


economical

« This **unique under-floor** swing door drive has been developed especially for architectural designs which place extraordinary demands on aesthetics, performance and functionality. It offers **silent** opening of light to **very heavy doors** with single or double leafs.»

★★★★★  
**TORMAX**  
AUTOMATIC

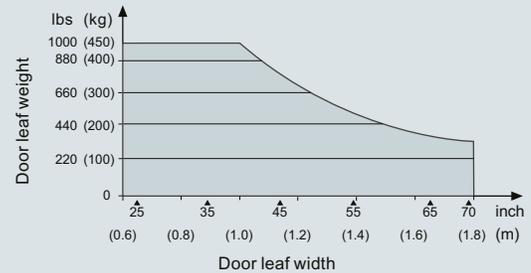
# TORMAX iMotion 1401 Swing Door Drive



|                             |   |
|-----------------------------|---|
| <b>Areas of application</b> | – external and internal doors, 1- and 2-leaf<br>– fire doors*   |
| <b>Variants</b>             | TORMAX iMotion 1401.FIRE (fire protection)  |
| <b>Options</b>              | – air lock function<br>– fire- and smoke doors<br>– nurse-bed function<br>– integration into building management systems<br>– user interface, 3 resp. 6 operating modes<br>– key switch |
| <b>Drive type</b>           | – electromechanical<br>– motor opening, spring closing<br>– spring opening, motor closing   |
| <b>Motor</b>                | AC permanent magnet, synchronous motor  |
| <b>Control system</b>       | micro-processor (32Bit/30MHz)   |
| <b>Mains connection</b>     | 1 × 230/1 × 115V AC, 50 ... 60Hz, 10A   |
| <b>Power consumption</b>    | 4 ... 250 VA  |
| <b>Inputs</b>               | 8 programmable inputs, of which 4 testable safety features, expandable by modules   |
| <b>Outputs</b>              | 3 programmable, short circuit-proof, expandable by modules  |
| <b>Sensor power supply</b>  | 24V DC/1,5A   |
| <b>Electric latch</b>       | 6 ... 24V DC/max. 24W, max. 2A  |
| <b>Interfaces</b>           | RS232, LIN bus, CAN bus   |
| <b>Approvals</b>            | CE incl. RoHS, TÜV, ETL, DIBt   |
| <b>Standards</b>            | DIN 18650/EN 16005, EN 60335-1, EN 61000-6-2, EN 61000-6-3, UL 325, DIN 18263-4   |

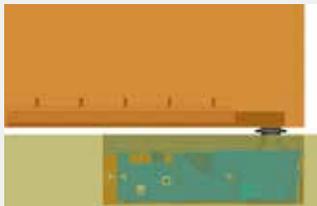
|                                 |  |
|---------------------------------|--|
| <b>Durability</b>               | class 3 to DIN 18650-1: 2010                   |
| <b>Protective class (drive)</b> | IP 67  |
| <b>Ambient temperature</b>      | –4 °F to + 122 °F (–20 °C to + 50 °C)          |
| <b>Installation location</b>    | invisible, installed in the floor              |
| <b>Double leaf doors</b>        | master-slave                                   |
| <b>Dimensions</b>               | 17 11/16 × 11 9/16 × 5" (450 × 293 × 127 mm)   |
| <b>Tare weight</b>              | 86 lbs (39 kg)                                 |
| <b>Door sizes to DIN 1154</b>   | 4...6  |
| <b>Inertia, door leaf</b>       | 3560 lbft <sup>2</sup> (150 kgm <sup>2</sup> ) |
| <b>Angle of opening</b>         | 0 ... 100° infinitely variable                 |
| <b>Opening speed</b>            | up to max. of 45°/s                            |
| <b>Closing speed</b>            | up to max. of 45°/s                            |
| <b>Hold open time</b>           | 0 ... 60s; permanently open                    |

#### Maximum door leaf weights

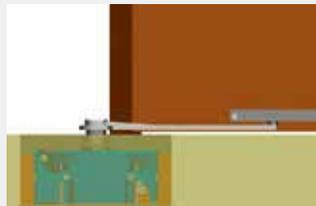


\* only TORMAX iMotion 1401.FIRE

#### Floor covering mounting frame

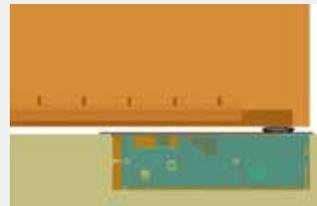


With integrated door arm

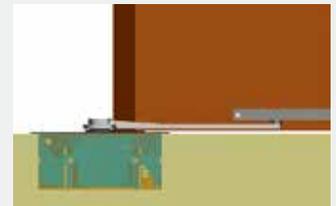


Pulling linkage

#### Stainless steel cover plate



With integrated door arm



Pulling linkage