

## Specification text - **TORMAX iMotion® 1401** Swing Door Drive

### Automatic swing door

#### Dimensions

Overall width	..... mm
Overall height	..... mm
Passage width	..... mm
Passage height	..... mm

### **TORMAX iMotion® 1401** Swing Door Drive

Concealed floor-mounted drive for swing doors, simultaneously usable as lower door bearing.  
Door leaf weight up to 450 kg with 1 m leaf width.

- ( \_ ) Electromechanical swing door drive with wear-free synchronous motor technology and processor control system, extremely quiet running. Dimensions L x W x D: 450 x 293 x 127 mm, door leaf weight up to 450 kg for 1 m leaf width ( $J = 150 \text{ kgm}^2$ ), protective system IP 67 (7 days water up to top edge of housing), power supply: 1 x 230/115 V AC 50 – 60 Hz, power consumption: 4 - 250 W, ambient temperature  $-20 \text{ }^\circ\text{C}$  to  $+50 \text{ }^\circ\text{C}$ , integrated adjustable end-stop for door-closed position, integrated spring-loaded and adjustable end-stop in the opening direction.

#### Control system

Control box locatable independently of drive, protective system IP 55, ultra-simple commissioning by "teach-in" learning run, "push and go", high personal safety due to built-in reversing system and external monitored safety, safe closing due to motor power assist even under the most awkward conditions (wind load), power-free closing, in the event of power failure simple manual operation without disconnection, door closer function in the event of power failure, hold-open time: 0 – 600 s, opening angle 0 – 99°, 8 inputs and 2 outputs (freely programmable).

#### Floor sealing

- ( \_ ) Flush-mounted in-floor mounting frame for floor covering up to 20 mm thick with extended drive shaft
- ( \_ ) Stainless steel cover plate with seal fitted on floor,  
L x W x H = 480 mm x 320 mm x 3.5 mm

Power transmission: drive to door

- (  ) Drive shaft with serrations and specific shaft end made to order
- (  ) Drive shaft with serrations and cone designed to fit stainless steel cover 1401
- (  ) Drive shaft with serrations and cone designed to fit floor covering
- (  ) Drive shaft with serrations and unprocessed shaft end, length 164.5 mm
- (  ) Noise-insulated door arm for centrally borne DIN R & DIN L doors with panic system
- (  ) Noise-insulated door arm for eccentrically borne doors, offset (dimension k (max. 70 mm)) according to customer specification
- (  ) Noise-insulated panic door arm for centrally borne DIN R & DIN L doors, with panic system
- (  ) Basic drive shaft connecting piece door arm fitting shaft with end cone, L x W x H = 102 mm x 30 mm x 35 mm, including 2 spacer plates

## Sensors

Activation

- (  ) Radar
- (  ) Active infrared
- (  ) Passive infrared
- (  ) Contact-free hand switch
- (  ) Manual hand switch

Safety facility

- (  ) Dynamic safety (with/without testing)
- (  ) Static safety (with/without testing)
- (  ) Combined detector/alarm (radar and 3D protective light curtain AIR) with testing

Safety assessment conforming to DIN 18650 recommended.

## Accessories

- (  ) User interface with 7-segment display and 2-button operation, 45 x 45 mm suitable for Legrand system
- (  ) 3-position mode switch mounted in plastic case  
45 x 45 mm, suitable for Legrand system
- (  ) Bowden wire switch
- (  ) Radio remote control, receiver integrated in switch cabinet, including mini manual transmitter, 4-channel, 868 MH
- (  ) Emergency OFF switch, flush-mounted, with glass cover and frame
- (  ) Monitored battery module for emergency current supply (battery backup)