

Specification Text - TORMAX iMotion® 1301 Swing Door Drive

Automatic Swing Door

Dimensions

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

TORMAX iMotion® 1301 Swing Door Drive

Drive for swing doors, internal and external doors, lintel or door leaf mounting, optionally DIN L and DIN R doors.

- (_) Electromechanical swing door drive with wear-free synchronous motor technology and processor control system, Dimensions 100 x 135 x 640 mm, door leaf weight up to 240 kg at 1 m leaf width ($J = 80 \text{ kgm}^2$), protective class IP 22, integrated end-stop, power supply: 1 x 230/115 V AC 50 – 60 Hz, power consumption: 5 – 250 W, ambient temperature $-20 \text{ }^\circ\text{C}$ to $+50 \text{ }^\circ\text{C}$, motor-driven opening, spring-loaded closing, if required with motor power assistance, integrated open holding, acting as power-free door closer or door opener with motion control.

Control system

Ultra-simple commissioning with manually guided "teach-in" learning program, 3-position switch or user interface with 7-segment display, two independent motional sequences can be set and controlled, adjustable hold-open time – satisfies low-energy requirement, obstacle recognition (reversing) in both opening and closing directions, automatic opening by manual pushing or pulling ("push and go" function), opening angle $0 - 110^\circ$ (with standard linkage), safety features can be monitored, feedback signal for door in open or closed position, 8 programmable inputs (expandable), 3 programmable outputs (expandable).

Power transmission: Drive to door

- (_) Standard linkage, infinitely variable, pushing, for lintel depth 50 ... 97 mm
(_) Standard linkage, infinitely variable, pushing, for lintel depth 95 ... 242 mm
(_) Sliding lever pulling
(_) Sliding lever, pulling, with panic fitting

- () Connecting shaft, drive – linkage, L = 63 mm (mounting flush with lintel)
- () Connecting shaft, drive – linkage, L = 82 mm (mounting flush with lintel)
- () Connecting shaft, drive – linkage, L = 123 mm (mounting flush with lintel)

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.

Within the area of validity of the guidelines for machines 98/37/EG a declaration of conformity is mandatory.

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
- () Monitored battery unit for emergency current supply
- () Continuous casing over the full door width
- () Cable set for master/slave connection