Specification Text - TORMAX iMotion® 2301 Sliding Door Drive

Automatic Sliding Door

Dimensions

Overall width .... mm

Overall height .... mm

Passage width .... mm (700 – 3800 mm)

Passage height .... mm

TORMAX iMotion® 2301 Sliding Door Drive

Automatic sliding door drive for single or double-leaf sliding doors, standard or telescopic

- – Door leaf weight 2 x 130 kg, 1 x 150 kg, telescope 4 x 80 kg, 2 x 100 kg.
- – Cross section header profile (H x D) 200 x 155 mm, telescope 200 x 245 mm
- – In compliance with current European standards

(_) Electromechanical sliding door drive with wear-free synchronous motor technology and processor control. Gearless, low-maintenance AC motor. Mains supply 115 VAC/60 Hz or 230 VAC/50 Hz

- – Protective system IP22, ambient temperature, –20 °C to +50 °C. RoHS conformity (EC directive 2002/95/EG).
- – Easily replaceable noise-damped guide rail.
- – Mounting method: Lintel mounting, wall mounting, ceiling mounting.
- – Double rollers with groove for ideal load distribution and integrated unhinging protection, easily replaceable low-noise guide rail.

Control System

Automatic detection of system-specific data for optimal motion control, permanent operating diagnosis.

- - Electronic obstacle recognition in closing and opening directions, adjustable reversing sensibility
- - Automatic speed limit, including in the event of power failure and in manual mode.
- - Emergency opening for autonomous door opening in the event of power failure in the unlocked state.
- - 32 Bit/30 MHz processor for high performance.
- - Interfaces: LIN BUS, CAN BUS, RS 232
- - Fault recognition, display and log.
- - Air-lock-function

- User interface with fault diagnosis and code lock. Selectable operating modes: OFF, AUTOMATIC 1, AUTOMATIC 2, EXIT , OPEN and MANUAL. Freewheeling function and reset selectable on operating unit.
- 8 inputs (4 testable safety devices)
- 3 programmable outputs (optional feedback signals for different door statuses, such as: Closed, Open, Fault, Lock status, Light pulse, Gong pulse).
- Modular extendable by max. 2 I/O-modules (4 in-/outputs each)
- Integration in higher-level system possible, e.g. a building management system, optionally via potential-free contacts or a bus system.

Door leaves

(_)   Sliding leaf

(_)   Stationary lateral components

(_)   Stationary fanlights,   (_) -part

Profiles

(_)   TORMAX Profile System LR 12

Single-sheet glazing

Glazing thickness 6 – 12 mm

Type of glazing: wet, single-sheet/compound toughened safety glass

Facial width 22 mm, base height 80 mm, profile depth 20 mm

(_)   TORMAX Profile System LR 22B

Single-sheet and insulating glazing

Glass thickness dry 8.5 – 10 mm, 21.5 – 23 mm, wet 6 – 28 mm

Facial width 30 mm, base height 78 mm, profile depth 34 mm

(_)   TORMAX Profile System LR 32THERM

Insulating glazing

Glazing thickness max. 32mm,

Facial width 35mm, base height 85mm, profile depth 40mm

(_)   Make…………

Floor guide

(_)   Continuous floor guide in CNS, including glider in the sliding leaf

(_)   Continuous floor guide in aluminium anodised E6/EV1 incl. gliding piece in sliding leaf

Colour of visible profiles

Elox anodising colour   …………….
Powder coating RAL   …………….
………………………….………………..

Glazing

(_)   Single-sheet safety glass 10 mm, heat soak tested

(_)   Compound safety glass 10 mm, with 0.78 mm film

(_)   Insulating glass comprising 2 x 5 mm single-sheet safety glass, heat soak tested, 22 mm
Overall thickness, Ug 1.3 W/m^{2}K

(_)   Insulating glass comprising 2 x 6 mm compound safety glass, film 0.78 mm, 22 mm
          Overall thickness, Ug 1.3 W/m^{2}K

(_)   Double insulating glass comprising 2 x VSG, overall thickness 31.1mm, Ug
          1.0W/(m^2/K)

(_)   Triple insulating glass comprising 3 x ESG, overall thickness 32mm, Ug 0.8W/(m^2/K)

(_)   Make…………

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 scope of the
          guidelines for machines a declaration of conformity for the door installation is
          mandatory.

Accessories

(_)   User interface with 6 operating modes and fault display, 45 x 45 mm suitable for
          Legrand system

(_)   3-position operating mode switch mounted in plastic case

(_)   Monitored battery module for emergency power supply

(_)   Electromechanical lock (bistable lock) with feedback, acting only on hardened holding
          bolts of the leaf, not acting on the toothed belt or deflection pulley

(_)   Emergency opening including burglary protected emergency unlocking

(_)   Emergency opening monitoring facility

(_)   Emergency OFF switch, optionally surface-mounted or flush-mounted,
          with glass cover and frame

(_)   Integration in system network with contacts communication

(_)   Integration in system network with bus communication