Specification Text - TORMAX 2203 Sliding Door Drive

Automatic Sliding Door

Dimensions

Overall width ..... mm

Overall height ..... mm

Passage width ..... mm (750 - 3800 mm)

Passage height ..... mm

TORMAX 2203 Sliding Door Drive

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

- Door leaf weight 2 x 120 kg, 1 x 130 kg, telescope 4 x 80 kg, 2 x 80 kg.
- Cross section header profile (H x D) 100 x 142 mm, telescope 100 x 204 mm
- In compliance with current guidelines 2006/42/EG, 2006/95/E, 2004/108/EG
- In compliance with current standards EN 16005, EN 60335-1, -2-103, EN 61000-6-2, -3. EN ISO 13849-1:2008 Performance Level „c“,
- Service life: Up to 2 million cycles with 4000 cycles per day certified by TÜV
- Approvals:
  – CE/EN 16005, TÜV certified
  –ANSI/CAN/UL 325, TÜV certified

(_) Electromechanical sliding door drive with DC motor technology and programmable processor control. Mains supply 115 VAC/60 Hz or 230 VAC/50 Hz

- Protective system IP20, ambient temperature, -20 °C to +50 °C
- Double rollers with groove for ideal load distribution and smooth directional stability
- Adjustable counter roller for low friction operation free from play
- Easily replaceable noise-damped guide rail
- Mounting method: Lintel mounting, wall mounting, ceiling mounting

Control System

- 32 Bit / 100 MHz processor for high performance
- 10 inputs (4 inputs for safety features)
- 3 programmable outputs (1 testable output for safety features, optional feedback signals for different door statuses, such as: Closed, Open, Fault, Lock status, Light pulse, Gong pulse)
- Modular extendable by max. 1 I/O-modules (4 in- / 2 outputs each)
- Interfaces: LIN BUS, RS 232, CAN BUS

- Automatic detection of system-specific data for optimal motion control, permanent operating diagnosis.
- Fault recognition, display and log.
- Multifunctional user interface with selectable operating modes: OFF, AUTOMATIC 1, AUTOMATIC 2, EXIT, OPEN and MANUAL.
  Detailed status and fault diagnosis. Freewheeling function and reset selectable on operating unit.
- Electronic obstacle recognition in closing and opening directions, adjustable reversing sensibility.
- Easy-to-move manual operation in the event of a power failure; also available with automatic speed limitation as an option.
- Emergency opening for autonomous door opening in the event of power failure in the unlocked state.
- Many programmable functions such as operating modes, feed-back, special functions, air-lock/ porch function, push-and-go function, low energy operation etc.
- Adjustable user parameters, such as code lock for the operating unit, hold-open time, opening width, partial opening width, ringing time, etc.
- Locking and unlocking the user parameters.
- Integration in higher-level system possible, eg a building management system, optionally via potential-free contacts.

Door leaves

(_) Sliding leaf

(_) Stationary lateral components

(_) Stationary fanlights, (_) -part

Profiles

(_) TORMAX Profile System LR 12
Single-sheet/compound toughened safety glass ESG, VSG, wet
Glazing thickness 6 - 12 mm
Facial width 22 mm, base height 80 mm, profile depth 20 mm

(_) TORMAX Profile System LR 22B
Single-sheet or insulating glazing, dry
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, wet
Glazing thickness max. 32 mm
Facial width 35 mm, base height 85 mm, profile depth 40 mm

(_) Make……

Floor guide

(_) Surface-mounted 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, overall thickness 22 mm, Ug 1.3 W/m^{2}K

(_) Insulating glass comprising 2 x 6 mm compound safety glass, film 0.78 mm, overall thickness 22 mm, Ug 1.3 W/m2K

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

(_) Triple insulating glass comprising 3 x ESG, overall thickness 32 mm, Ug 0.8 W/(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 EN 16005 recommended. Within the scope of the guidelines for machines 2006/42/EG a declaration of conformity for the door installation is mandatory.

Accessories

(_) User interface with 6 operating modes and fault display, 45 x 45 mm. Can be installed laterally in the drive cover or externally for installation on the wall or concealed installation in the wall. Suitable for Legrand system.

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

(_) Monitored battery module for emergency power supply

(_) Electromechanical lock (bi-stable 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