

TORMAX iMotion 2301 – Sliding Door Drive



iMotion®
the passion to drive doors



intelligent



modular



ecological



reliable



economical

« This powerful sliding door drive makes extremely **dynamic**, absolutely **smooth** and **silent** door movement possible. It is the particularly suitable for internal and external doors with high traffic levels and ideal **for noise sensitive areas**.»

★★★★★
TORMAX
AUTOMATIC

TORMAX iMotion 2301

Sliding Door Drive



Areas of application	external and internal doors – high traffic levels – silent motion sequence
Versions	– linear – curved – RER – telescope – angular – IP65/IP68
Options	– operating unit with 6 operating modes – electro-mechanical lock – four-point lock – magnetical interlock – electrical emergency operation – mechanical emergency opening – air lock/porch wind screen function
Drive type	electromechanical
Motor	gearless synchronous AC motor with external rotor
Control system	control system 2301 MCU32
Mains connection	1 × 230/1 × 115VAC, 50 ... 60Hz, 10A
Power consumption	8 ... 190W
Inputs	8 programmable inputs of which 4 testable safety features, expandable by modules
Outputs	3 programmable outputs, expandable by modules
Sensor power supply	24V DC
Safety facilities	the necessary sensors can be connected, monitored power limit
Interfaces	LIN Bus, CAN Bus, RS232
Approvals	CE incl. RoHS, TÜV, ETL
Standards	DIN 18650/EN 16005, EN 13849-1, EN IEC 60335-1, EN 61000-6-2, EN 61000-6-3, UL 325
Durability	class 3 to DIN 18650-1: 2010
Protective class (drive)	IP 22
Ambient temperature	–4 °F to +122 °F (–20 °C to +50 °C)

Dimensions	
Cross-section of header profile (H × D)	7 7/8" × 6 1/8" (200 × 155 mm)
Cross-section of header profile telescopic (H × D)	7 7/8" × 9 5/8" (200 × 245 mm)
System length, single-leaf	min. 56 5/8" (1440 mm)
System length, double-leaf	min. 58 1/4" (1480 mm)
System length, telescopic, double-leaf (opening on the left)	min. 44 1/8" (1120 mm)
System length telescopic, double-leaf (opening on the right)	min. 43 1/8" (1093 mm)
System length, telescopic, four leaves	min. 87 1/8" (2213 mm)

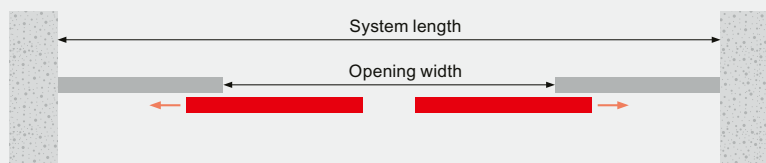
Maximum leaf weights	
Single-leaf	1 × 330 lbs (1 × 150 kg)
Double-leaf	2 × 287 lbs (2 × 130 kg)
Telescopic, double-leaf	2 × 220 lbs (2 × 100 kg)
Telescopic, four leaves	4 × 176 lbs (4 × 80 kg)

Opening widths¹⁾	
Single leaf	27 9/16" ... 78 3/4" (700 ... 2000 mm)
Double-leaf	27 9/16" ... 9' 10 1/8" (700 ... 3000 mm)
Telescopic, double-leaf	27 9/16" ... 12' 5 5/8" (700 ... 3800 mm)
Telescopic, four leaves	55 1/8" ... 12' 5 5/8" (1400 ... 3800 mm)

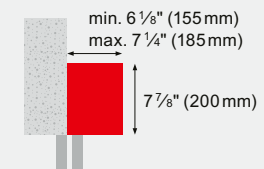
Opening speed²⁾	2 ... 40 ips (5 ... 100 cm/s)
Closing speed²⁾	2 ... 32 ips (5 ... 80 cm/s)

¹⁾ larger opening widths on request

²⁾ per door leaf, dependent on the door weight, opening width and the prevailing regulations



Plan view (double-leaf with fixed leaf)



Cross-section



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