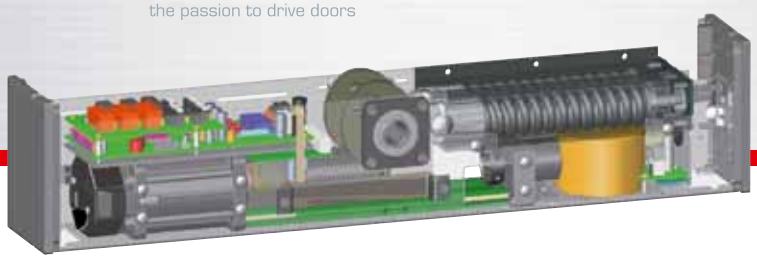
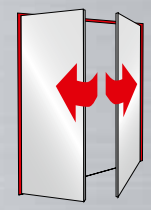
iMotion®
the passion to drive doors





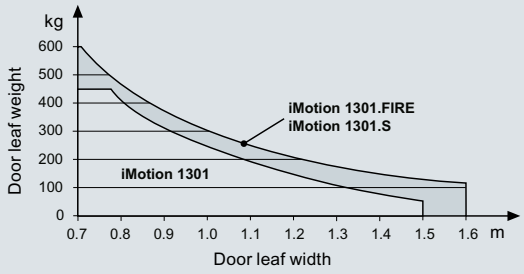
iMotion® 1301
Swing Door Drive

intelligent · modular · ecological · reliable · economical

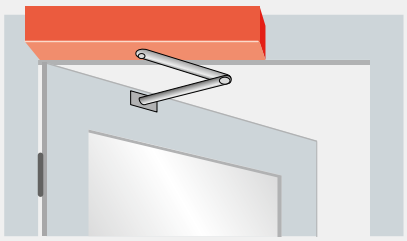
Areas of application	– external and internal doors, 1- and 2-leaf – fire doors [1]
Variants	– iMotion 1301.S (high performance) – iMotion 1301.FIRE (fire protection)
Options	– air lock function – fire- and smoke doors – nurse-bed function – integration into building management systems – user interface, 3 resp. 6 operating modes – key switch
Drive type	– electromechanical – motor opening, spring closing – spring opening, motor closing
Motor	AC permanent magnet, synchronous motor
Control system	micro-processor (32 Bit / 30 MHz)
Mains connection	1 × 230 / 1 × 115 V AC, 50 … 60 Hz, 10 A
Power consumption	6 … 250 VA; 12 … 330 VA [1) 2)]
Inputs	8 programmable inputs, of which 4 testable safety features, expandable by modules
Outputs	3 programmable, short circuit-proof, expandable by modules
Sensor power supply	24 V DC / 0,75 A; 24 V DC / 1,5 A [1) 2)]
Electric latch	6 … 24 V DC / max. 24 W, max. 2 A
Interfaces	RS232, LIN bus, CAN bus
Approvals	CE incl. RoHS, TÜV, ETL, DIBt
Standards	DIN 18650, EN 60335-1, EN 61000-6-2, EN 61000-6-3, UL 325, DIN 18263-4

Durability	class 3 to DIN 18650-1: 2010
Protective class (drive)	IP 22 (installed in a dry location)
Ambient temperature	–20 °C to +50 °C
Installation location	lintel-mounted pull/push type; door leaf mounted push type; panic fitting
Double leaf doors	master-slave
Dimensions	100 × 135 × 640 mm
Tare weight	14,5 kg
Door sizes to DIN 1154	4…6 [1)]
Inertia, door leaf	80 kgm² / 100 kgm² [1) 2)]
Angle of opening	standard linkage: max. 110° sliding lever: max. 110°
Opening speed	up to max. of 45°/s; 60°/s [1) 2)]
Closing speed	up to max. of 45°/s; 60°/s [1) 2)]
Hold open time	0 … 60 s; permanently open

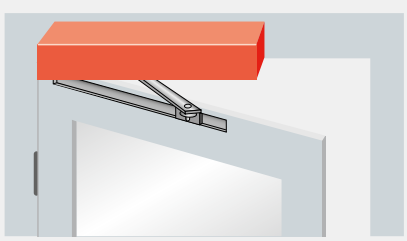
Maximum door leaf weights



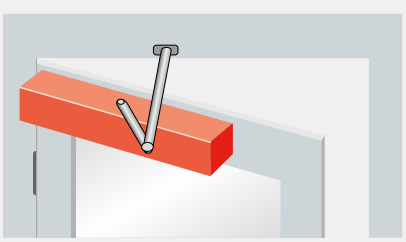
[1)] only iMotion 1301.FIRE
[2)] only iMotion 1301.S



Lintel-mounted with standard linkage



Lintel-mounted with sliding rail



Door leaf mounted with standard linkage (1301 + 1301.S only)

T-1284 e 12.11 Subject to modifications

TORMAX AUTOMATIC

TORMAX
Landert Motoren AG
CH-8180 Bülach-Zürich
www.tormax.com
info@tormax.com