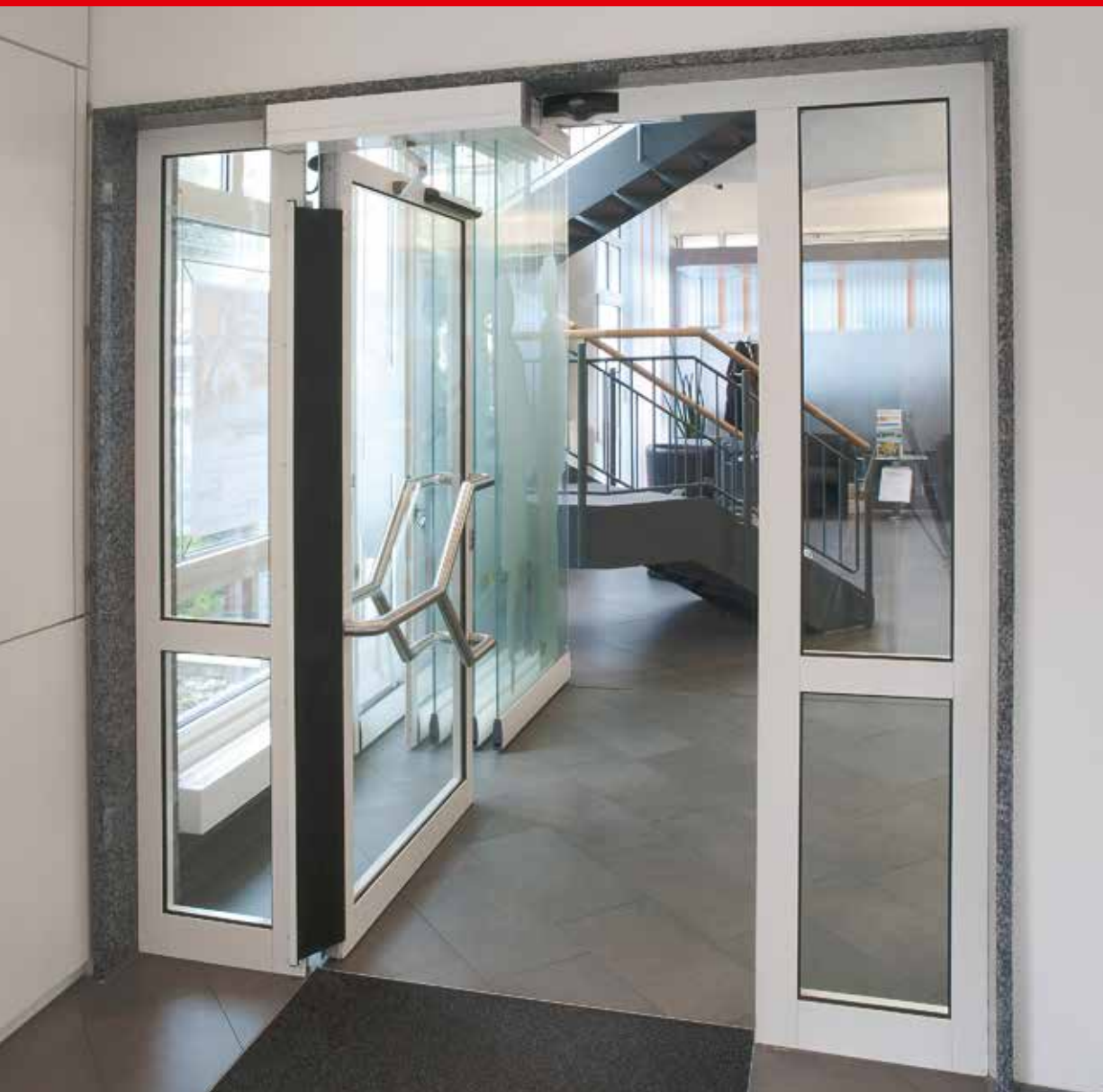




# TORMAX iMotion 1301 – Swing Door Drive



iMotion®  
the passion to drive doors



intelligent



modular



ecological



reliable

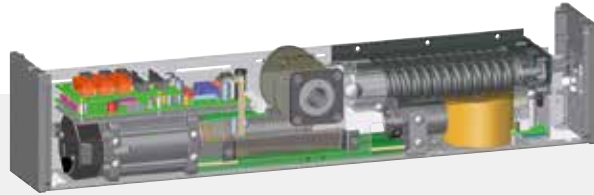


economical

« This compact but powerful swing door drive offers extremely **quiet** and **long life** operation for medium to large pedestrian passageways with high traffic volume. It is **easy to install** during conversions and in new buildings.»

★★★★★  
**TORMAX**  
AUTOMATIC

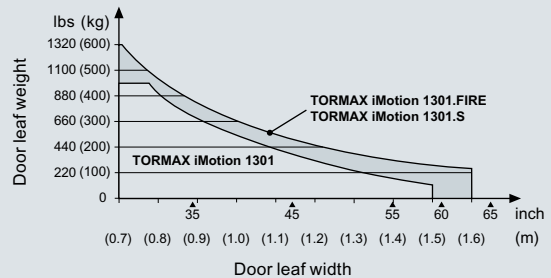
# TORMAX iMotion 1301 Swing Door Drive



<b>Areas of application</b>	– external and internal doors, 1- and 2-leaf – fire and smoke seals, 1- <sup>1)</sup> and 2 <sup>3)</sup> -leaf
<b>Variants</b>	– TORMAX iMotion 1301.S – TORMAX iMotion 1301.FIRE (1- and 2-leaf)
<b>Options</b>	– air lock function – nurse-bed function – integration into building management systems – user interface, 3 resp. 6 operating modes – key switch – with integrated door coordinator device
<b>Drive type</b>	– electromechanical – spring closing/opening if no power is available
<b>Motor</b>	AC permanent magnet, synchronous motor
<b>Control system</b>	micro-processor (32Bit/30 MHz)
<b>Mains connection</b>	1 × 230/1 × 115 V AC, 50 ... 60Hz, 10A
<b>Power consumption</b>	6 ... 250 VA; 12 ... 330 VA <sup>1) 2)</sup>
<b>Inputs</b>	8 programmable inputs, of which 4 testable safety features, expandable by modules
<b>Outputs</b>	3 programmable, short circuit-proof, expandable by modules
<b>Sensor power supply</b>	24 V DC/0,75A; 24 V DC/1,5A <sup>1) 2)</sup>
<b>Electric latch</b>	6 ... 24 V DC/max. 24 W, max. 2A
<b>Interfaces</b>	RS232, LIN bus, CAN bus
<b>Approvals</b>	CE incl. RoHS, TÜV, ETL, DIBt
<b>Standards</b>	DIN 18650/EN 16005, EN 60335-1, EN 61000-6-2, EN 61000-6-3, UL 325, DIN 18263-4

<b>Durability</b>	class 3 to DIN 18650-1: 2010
<b>Protective class (drive)</b>	IP 22 (installed in a dry location)
<b>Ambient temperature</b>	–4 °F to +122 °F (–20 °C to +50 °C)
<b>Installation location</b>	lintel-mounted pull/push type; door leaf mounted push type; panic fitting
<b>Dimensions</b>	3 15/16 × 5 5/16 × 25 3/16" (100 × 135 × 640 mm) 4 1/2 × 5 5/16" × door width <sup>3)</sup> (115 × 135 mm × door width <sup>3)</sup> )
<b>Door sizes to DIN 1154</b>	3...6
<b>Inertia, door leaf</b>	1898 lbft <sup>2</sup> / 2373 lbft <sup>2</sup> <sup>1) 2)</sup> (80 kgm <sup>2</sup> / 100 kgm <sup>2</sup> <sup>1) 2)</sup> )
<b>Angle of opening</b>	standard linkage: max. 110° sliding lever: max. 110°
<b>Opening speed</b>	up to max. of 45°/s; 60°/s <sup>1) 2)</sup>
<b>Closing speed</b>	up to max. of 45°/s; 60°/s <sup>1) 2)</sup>
<b>Hold open time</b>	0 ... 60s; permanently open

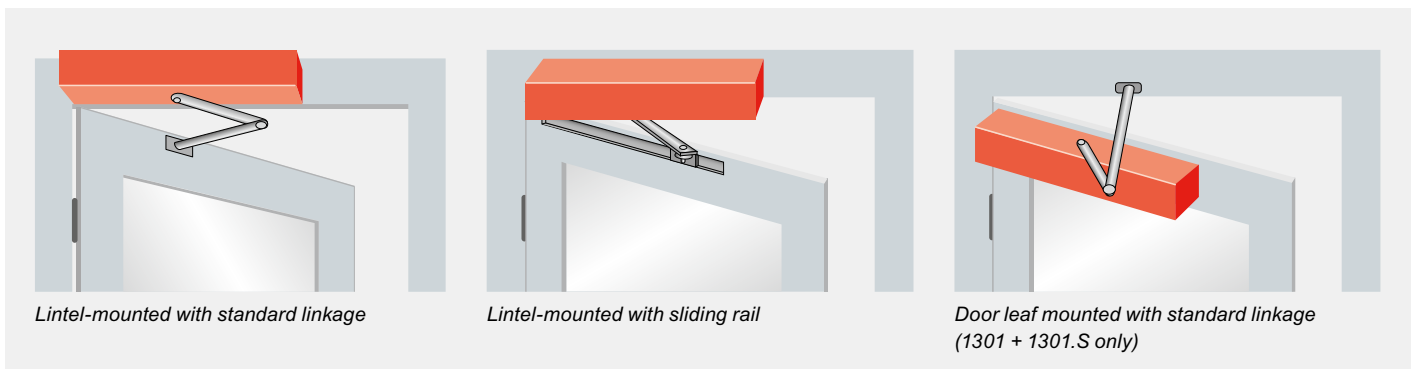
## Maximum door leaf weights



<sup>1)</sup> only TORMAX iMotion 1301.FIRE

<sup>2)</sup> only TORMAX iMotion 1301.S

<sup>3)</sup> TORMAX iMotion 1301.FIRE with door coordinator device



Lintel-mounted with standard linkage

Lintel-mounted with sliding rail

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