iMotion® 1301
Swing Door Drive

Areas of application
- external and internal doors, 1- and 2-leaf
- fire and smoke seals, 1-) and 2-) leaf

Variants
- iMotion 1301
- iMotion 1301.FIRE (1- and 2-leaf)

Options
- 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

Drive type
- electromechanical
- spring closing/opening if no power is available

Motor
AC permanent magnet, synchronous motor

Control system
micro-processor (32Bit/30MHz)

Mains connection
1 × 230 V AC, 50 … 60 Hz, 10 A

Power consumption
6 … 750 VA; 12 … 330 VA

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

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 16005, 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

Dimensions
100 × 135 × 640 mm
115 × 135 mm × door width

Door sizes to DIN 1154
3 … 6

Inertia, door leaf
80 kgm² / 100 kgm²

Angle of opening
standard linkage: max. 110°
sliding lever: max. 110°

Opening speed
up to max. of 45°/ s; 60°/ s

Closing speed
up to max. of 45°/ s; 60°/ s

Hold open time
0 … 60 s; permanently open

Maximum door leaf weights

Door leaf width
kg

0 100 200 300 400 500 600
0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6

1) only iMotion 1301.FIRE
2) only iMotion 1301.S
3) iMotion 1301.FIRE with door coordinator device

Areas of application

Lintel-mounted with standard linkage
Lintel-mounted with sliding rail
Door leaf mounted with standard linkage
(1301 + 1301.S only)