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
- magnetic 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 × 115 V AC, 50 … 60 Hz, 10 A

Power consumption
8 … 190 W

Inputs
8 programmable inputs of which 4 testable

Outputs
3 programmable outputs, expandable by modules

Sensor power supply
24 V 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, UL 325

Durability
class 3 to DIN 18650-1: 2010

Protective class (drive) IP 22

Ambient temperature
–20 °C to +50 °C

Dimensions

| Cross-section of header profile (H × D) | 200 × 155 mm |
| Cross-section of header profile telescopic (H × D) | 200 × 245 mm |
| System length, single-leaf | min. 1440 mm |
| System length, double-leaf | min. 1480 mm |
| System length, telescopic, double-leaf (opening on the left) | min. 1120 mm |
| System length telescopic, double-leaf (opening on the right) | min. 1093 mm |
| System length, telescopic, four leaves | min. 2213 mm |

Maximum leaf weights

| Single-leaf | 1 × 150 kg |
| Double-leaf | 2 × 130 kg |
| Telescopic, double-leaf | 2 × 100 kg |
| Telescopic, four leaves | 4 × 80 kg |

Opening widths

| Single leaf | 700 … 2000 mm ¹ |
| Double-leaf | 700 … 3000 mm ¹ |
| Telescopic, double-leaf | 700 … 3800 mm ¹ |
| Telescopic, four leaves | 1400 … 3800 mm ¹ |

Opening speed
5 … 100 cm/s ²

Closing speed
5 … 80 cm/s ²

1) larger opening widths on request
2) per door leaf, dependent on the door weight, opening width and the prevailing regulations

iMotion® the passion to drive doors