

iMotion® 2301 Sliding Door Drive



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|---------------------------------|--|
| Areas of application | external and internal doors – high traffic levels – silent motion sequence |
| Versions | – linear – curved – RER – telescope – angular – IP65 |
| 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 × 115 V AC, 50 ... 60 Hz, 10 A |
| Power consumption | 8 ... 190 W |
| Inputs | 8 programmable inputs of which 4 testable safety features, expandable by modules |
| 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, EN 61000-6-3, 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 |

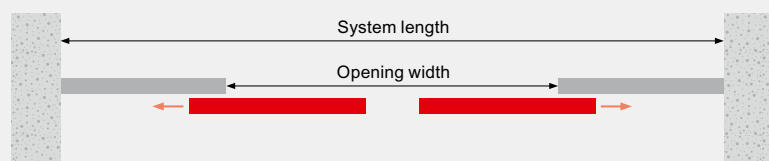
| Maximum leaf weights | |
|-------------------------|------------|
| Single-leaf | 1 × 150 kg |
| Double-leaf | 2 × 130 kg |
| Telescopic, double-leaf | 2 × 100 kg |
| Telescopic, four leaves | 4 × 80 kg |

| 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⁾ |

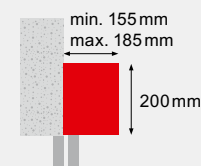
| | |
|----------------------|------------------------------|
| Opening speed | 5 ... 100 cm/s ²⁾ |
| Closing speed | 5 ... 80 cm/s ²⁾ |

¹⁾ larger opening widths on request

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



Plan view (double-leaf with fixed leaf)



Cross-section