

## iMotion® 2301 Sliding Door Drive



intelligent



modular



ecological



reliable



economical

|                                 |  |
|---------------------------------|--|
| <b>Areas of application</b>     | external and internal doors<br>– high traffic levels<br>– silent motion sequence   |
| <b>Versions</b>                 | – linear – curved – RER<br>– telescope – angular – IP65/IP68   |
| <b>Options</b>                  | – operating unit with 6 operating modes<br>– electro-mechanical lock<br>– four-point lock<br>– magnetical interlock<br>– electrical emergency operation<br>– mechanical emergency opening<br>– air lock/porch wind screen function |
| <b>Drive type</b>               | electromechanical  |
| <b>Motor</b>                    | gearless synchronous AC motor with external rotor  |
| <b>Control system</b>           | control system 2301 MCU32  |
| <b>Mains connection</b>         | 1 × 230/1 × 115 VAC, 50 ... 60 Hz, 10 A  |
| <b>Power consumption</b>        | 8 ... 190 W  |
| <b>Inputs</b>                   | 8 programmable inputs of which 4 testable safety features, expandable by modules   |
| <b>Outputs</b>                  | 3 programmable outputs, expandable by modules  |
| <b>Sensor power supply</b>      | 24 V DC  |
| <b>Safety facilities</b>        | the necessary sensors can be connected, monitored power limit  |
| <b>Interfaces</b>               | LIN Bus, CAN Bus, RS232  |
| <b>Approvals</b>                | CE incl. RoHS, TÜV, ETL  |
| <b>Standards</b>                | DIN 18650/EN 16005, EN 13849-1, EN IEC 60335-1, EN 61000-6-2, EN 61000-6-3, UL 325   |
| <b>Durability</b>               | class 3 to DIN 18650-1: 2010   |
| <b>Protective class (drive)</b> | IP 22  |
| <b>Ambient temperature</b>      | –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 |

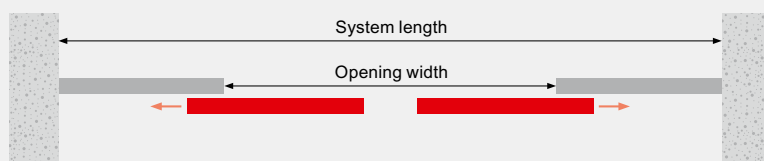
| Maximum leaf weights    |            |
|-------------------------|------------|
| Single-leaf             | 1 × 150 kg |
| Double-leaf             | 2 × 130 kg |
| Telescopic, double-leaf | 2 × 100 kg |
| Telescopic, four leaves | 4 × 80 kg  |

| Opening widths          |                                |
|-------------------------|--------------------------------|
| Single leaf             | 700 ... 2000 mm <sup>1)</sup>  |
| Double-leaf             | 700 ... 3000 mm <sup>1)</sup>  |
| Telescopic, double-leaf | 700 ... 3800 mm <sup>1)</sup>  |
| Telescopic, four leaves | 1400 ... 3800 mm <sup>1)</sup> |

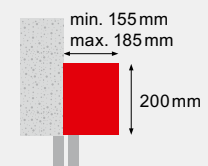
|                      |                              |
|----------------------|------------------------------|
| <b>Opening speed</b> | 5 ... 100 cm/s <sup>2)</sup> |
| <b>Closing speed</b> | 5 ... 80 cm/s <sup>2)</sup>  |

<sup>1)</sup> larger opening widths on request

<sup>2)</sup> per door leaf, dependent on the door weight, opening width and the prevailing regulations



Plan view (double-leaf with fixed leaf)



Cross-section