

## iMotion® 2301 Sliding Door Drive



intelligent



modular



ecological



reliable



economical

<b>Areas of application</b>	External and internal doors – high traffic levels – silent motion sequence
<b>Drive type</b>	Electro-mechanical sliding door drive
<b>Motor</b>	Gearless synchronous AC motor with external rotor
<b>Control system</b>	Control system 2301 MCU32 with 32 bit/30 MHz micro-processor
<b>Mains connection</b>	1 × 230/1 × 115 V AC, 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 60335-1, EN 61000-6-2, EN 61000-6-3, UL 325
<b>Durability</b>	Class 3 to DIN 18650-1: 2005
<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 (H × D) telescopic	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

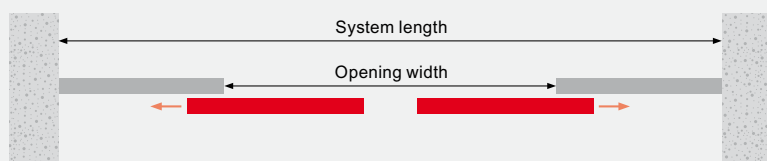
Maximum leaf weights	
Single-leaf	1 × 150 kg
Double-leaf	2 × 130 kg
Telescopic, double-leaf	2 × 100 kg
Telescopic, four leaves	4 × 80 kg

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>

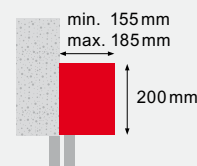
<b>Opening speed</b>	5 ... 100 cm/s <sup>2)</sup>
<b>Closing speed</b>	5 ... 100 cm/s <sup>2)</sup>
<b>Force on the toothed belt</b>	F = 25 ... 250 N

<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