

## iMotion® 2401 Sliding Door Drive



<b>Areas of application</b>	External and internal doors – very high door leaf weights – high traffic levels
<b>Versions</b>	– linear – curved – IP65 – telescope – RER
<b>Options</b>	– 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 – step control – emergency closing

<b>Drive type</b>	Electro-mechanical sliding door drive
<b>Motor</b>	AC gearless synchronous motor, ext. rotor
<b>Control system</b>	Control system 2401 MCU32
<b>Mains connection</b>	1 × 230 / 1 × 115 V AC, 50 ... 60 Hz, 10 A
<b>Power consumption</b>	8 ... 310 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 force limitation
<b>Interfaces</b>	LIN Bus, CAN Bus, RS232
<b>Approvals</b>	CE incl. RoHS, TÜV, ETL
<b>Standards</b>	DIN 18650: 2010, 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

<b>Dimensions</b>	
Cross-section of header profile (H × D)	200 × 185 mm
Cross-section of header profile (H × D) telescopic	200 × 275 mm
System length, single-leaf	min. 1640 mm
System length, double-leaf	min. 2280 mm
System length, telescopic, double-leaf (opening on the left)	min. 1270 mm
System length telescopic, double-leaf (opening on the right)	min. 1243 mm
System length, telescopic, four leaves	min. 2213 mm

<b>Maximum leaf weights</b>	
Single-leaf	1 × 450 kg / 1 × 200 kg <sup>1)</sup>
Double-leaf	2 × 300 kg / 2 × 220 kg <sup>1)</sup>
Telescopic, double-leaf	2 × 120 kg / 2 × 120 kg <sup>1)</sup>
Telescopic, four leaves	4 × 100 kg / 4 × 100 kg <sup>1)</sup>

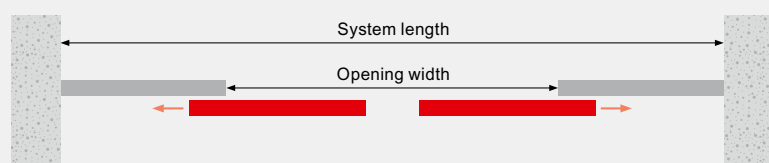
<b>Opening widths</b>	
Single leaf	800 ... 2800 mm <sup>2)</sup>
Double-leaf	1100 ... 3000 mm <sup>2)</sup>
Telescopic, double-leaf	700 ... 3800 mm <sup>2)</sup>
Telescopic, four leaves	1400 ... 3800 mm <sup>2)</sup>

<b>Opening speed</b>	4 ... 100 cm/s <sup>3)</sup>
<b>Closing speed</b>	4 ... 80 cm/s <sup>3)</sup>

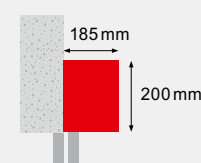
<sup>1)</sup> for rescue and escape routes (RER)

<sup>2)</sup> larger opening widths on request

<sup>3)</sup> per door leaf, dependent on the door weight, opening width and the prevailing regulations



Plan view (double-leaf with fixed leaf)



Cross-section