

iMotion® 2401 Sliding Door Drive



intelligent



modular



ecological



reliable



economical

Areas of application	External and internal doors – very high door leaf weights – high traffic levels – low-noise motion sequence
Drive type	Electro-mechanical sliding door drive
Motor	AC permanent magnet synchronous motor, external rotor
Control system	Control system 2401 MCU32 with 32 bit/30 MHz micro-processor
Mains connection	1 × 230/1 × 115 V AC, 50 ... 60 Hz, 10 A
Power consumption	8 ... 310 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 force limitation
Interfaces	LIN Bus, CAN Bus, RS232
Approvals	CE incl. RoHS, TÜV, ETL
Standards	DIN 18650, EN 60335-1, EN 61000-6-2, EN 61000-6-4, UL 325
Durability	Class 3 to DIN 18650-1: 2005
Protective class (drive)	IP 22
Ambient temperature	–20 °C to +50 °C

Dimensions	
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

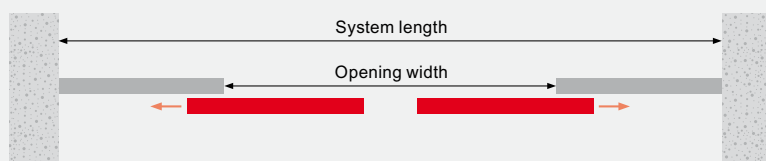
Maximum leaf weights	
Single-leaf	1 × 240 kg
Double-leaf	2 × 200 kg
Telescopic, double-leaf	2 × 120 kg
Telescopic, four leaves	4 × 100 kg

Opening widths	
Single leaf	800 ... 2000 mm ¹⁾
Double-leaf	1100 ... 3000 mm ¹⁾
Telescopic, double-leaf	700 ... 3800 mm ¹⁾
Telescopic, four leaves	1400 ... 3800 mm ¹⁾

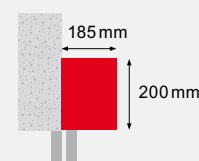
Opening speed	4 ... 100 cm/s ²⁾
Closing speed	4 ... 80 cm/s ²⁾
Force on the toothed belt	F = 40 ... 400 N

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