



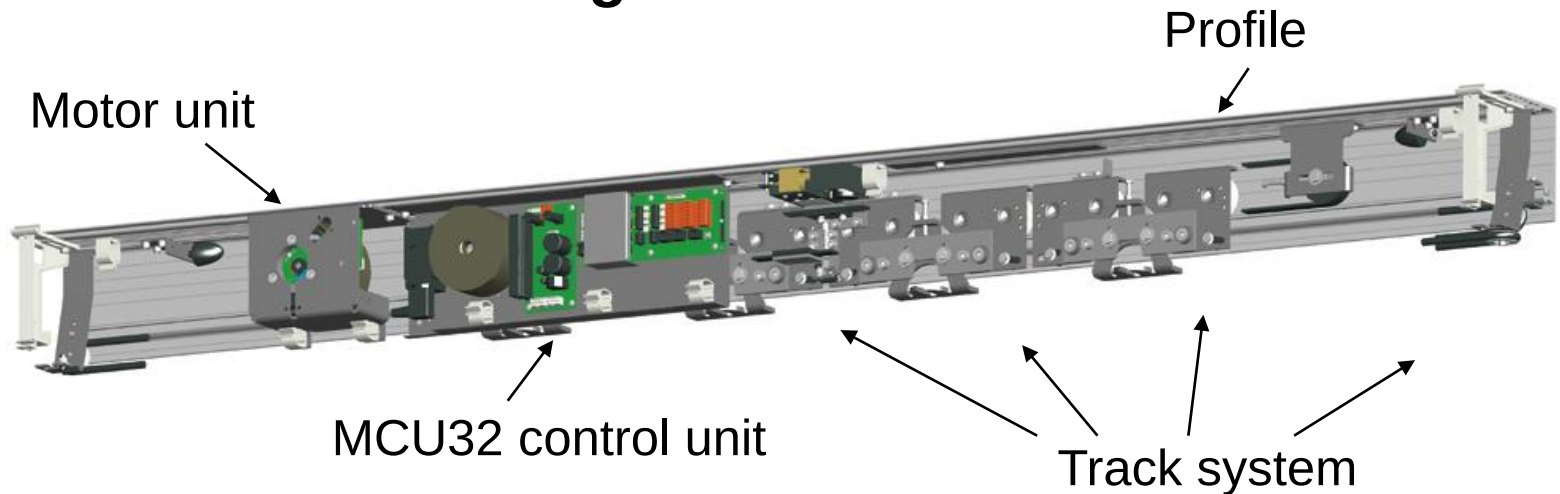
iMotion® 2401 Sliding Door Drive

iMotion 2401 Sliding Door Drive ...



- ... Highest door leaf weights
- ... Long lifecycle / low maintenance requirement
- ... Silent movement
- ... High ease of use and safety for persons
- ... Ecological

iMotion 2401 Sliding Door Drive



Motor unit *New Technology*

AC-Motor, direct drive (no gear box), Swiss Made, 1 x 240 kg/
2 x 200 kg door leaf weight

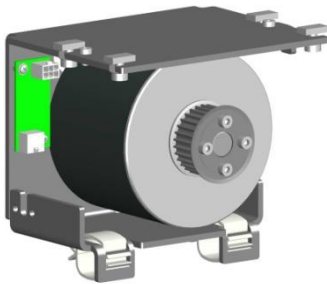
MCU32 control unit

32 bit / 30 MHz Microprocessor, modular components

Track system

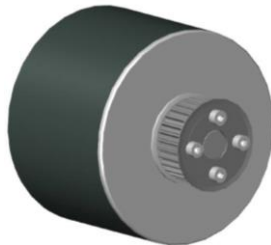
robust track system with self adjusting double trolleys

... High Power



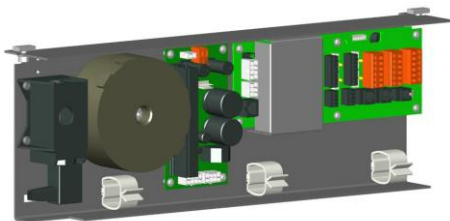
AC-Motor technology (outer rotor)

- up to 1 x 240 kg / 2 x 200 kg
- Dynamic door leaf movement even with high weights



Swiss Made Motor

- Product of Landert Motoren AG
- Complies with highest quality standards



32 Bit / 30 MHz microprocessor control unit

- Technically „state of the art“ (computing power)
- High power transformer with 310 W output

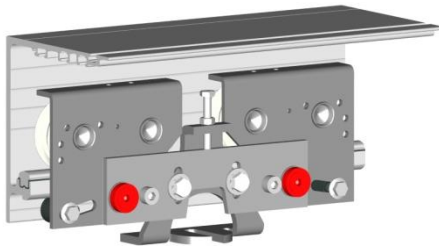
... Long Life Cycle / Low Maintenance Effort



Unique synchronous motor (outer rotor)

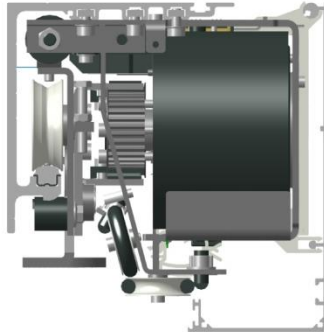
- Direct drive (gearless!)
- Reduction of moving parts
- No wearing of the gear
- Ideal ratio between torque/dimension
- Robust

Double trolley



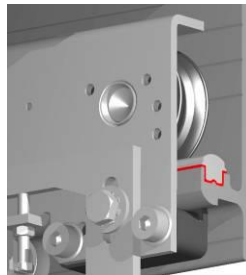
- 2 double trolleys (8 rollers per door leaf)
- Self adjusting double trolleys, ideal load distribution

... Extremely Low Noise



Gearless AC motor

- Direct force transmission from motor to toothed belt
- No gear noise
- No collector noise

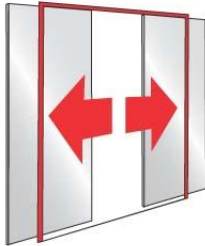


Robust track system

- Noise from operation is not transmitted to the profiles
- Rollers with dust absorbing tread design (keyway)

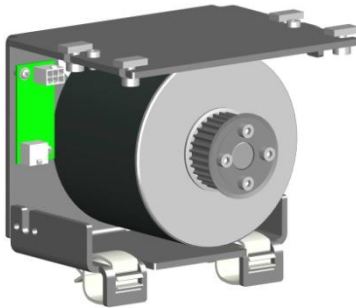


... High Ease of Use and Safety for Persons



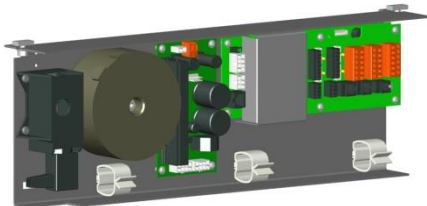
Powerful drive for large door leaves

- High dynamic door leaf movements
- Uninterrupted passageway even with high frequency
- Fast reversing of the door leaf

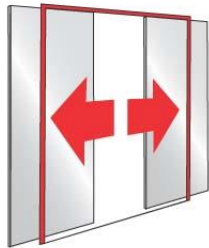


Intelligent control unit

- Automatically optimised door leaf movement regarding weight and opening width
- Automatic adjustment of braking distance
- Interfaces for 4 testable safeties, ultimate safety for persons

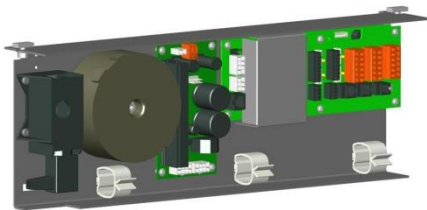


... Ecological



Control unit according to RoHS

- «Lead free», EC standards 2002/95/EG
Restriction of use of hazardous materials in electronic devices
- Sustained ecological principles
- Ecologically compatible recycling / disposal

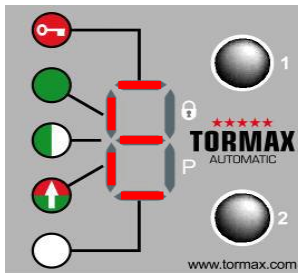


Modular Drive Concept

- Identical components on different drives facilitates support

iMotion 2401 Programming / Service / Handling

Programming / Service

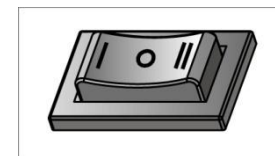
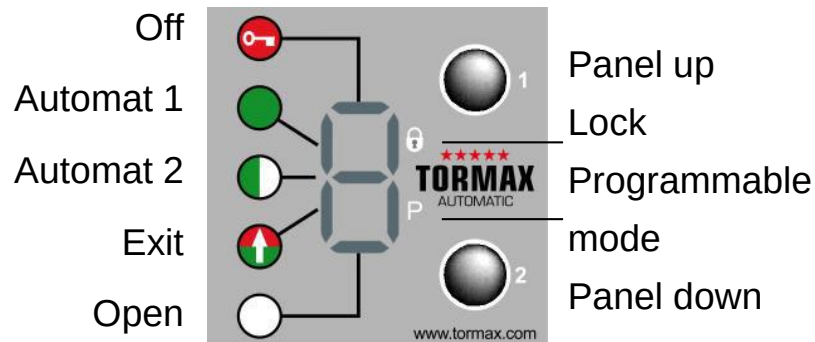


- Limited programming via user interface
- Error / hint indication on panel

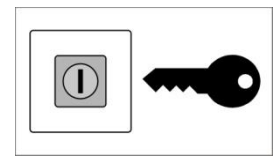


- Service Software with PC/Laptop
- Full programming

Handling



Multiple position switch



Key switch

iMotion 2401 Application Areas



Inside/outside monumantal entrances



Transportation



Public buildings



iMotion 2401 Summary



intelligent



modular



ecological



reliable



economical

- High door leaf weights 1 x 240 kg / 2 x 200 kg
- Long lifecycle with high user frequency
- Low maintenance requirement
- Low noise operation
- Dynamic opening and closing movement of the door leaf
- High ease of use
- High safety for persons
- RoHS conformity (lead free)
- Uniform operation of all iMotion drives



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