ENTREMATIC

Ditec DAB205

Automation for swing doors. Motor opening, spring and motor closing

The new **Ditec DAB205** is the top-of-the-range solution for swing-door automation systems. It features an extremely powerful gear motor that drives the door open and assists in closing, supported by a spring.
Ditec DAB205 allows to automate swing doors that weigh up to 315 kg with an opening of 1.6 m.
With **Ditec DAB205**, the user has complete control of the door functioning, with the ability to choose the operating mode that best meets its requirements, including PUSH&GO, Power Assist and Low Energy modes.
Ditec DAB205 is certified in accordance with European directives and regulations, including the new industry standard EN16005.

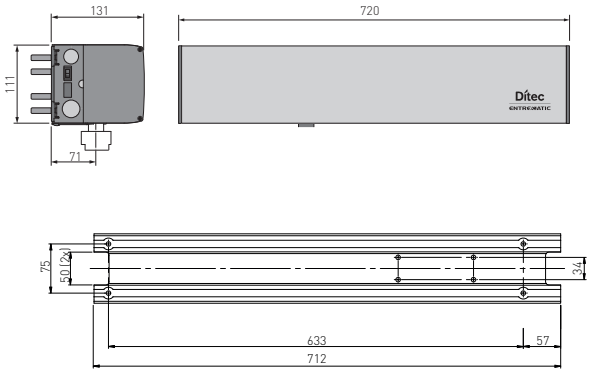
Product specifications

EN

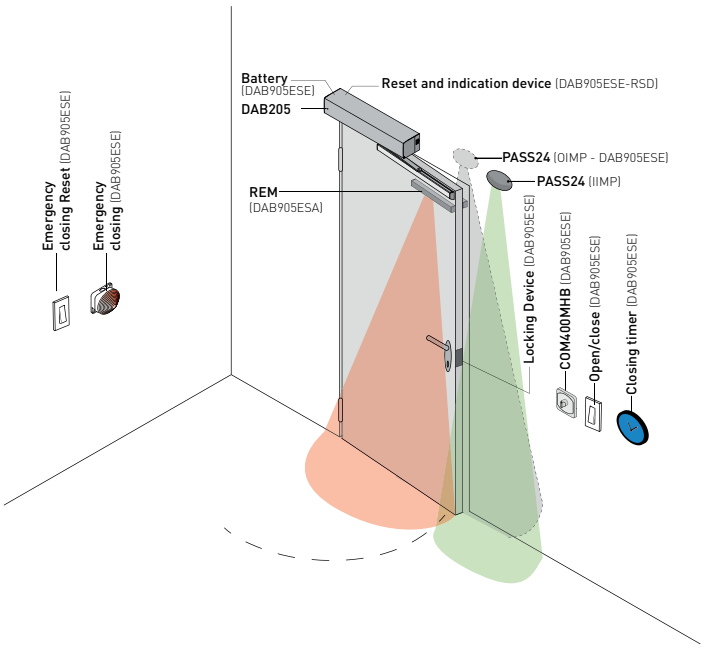
Technical specifications

	DAB205
Description	automation for swing doors motor opening, spring and motor closing
Special uses	use with fire rated doors
Stroke control	encoder
Maximum capacity	315 kg x 1.2 m - 200 kg x 1.6 m
Door wing opening angle	DAB805PSA2 articulated arm: 80°-110° DAB805PLA2 sliding arm: 80°-110°
Duty class	5 - very heavy duty
Lifecycle	1,000,000 cycles
Power supply	120-240 V~/ + 10/-15% 50-60 Hz
Power input	1 A
Consumption	max. 300W
Motor power supply	24 V=
Accessories power supply	24 V= / 0,7 A
Electricallly operated lock (with optional card DAB905ESA)	12 V= / 1.2 A - 24V= / 0,6 A
Batteries (with optional card DAB905ESE)	■ (optional)
Opening time	2.5÷12 s/(0-80°) (adjustable)
Closing time	4÷12 s/(90°-10°) (adjustable)
Hold open time	1.5÷30 s
Operating temperature	-20°C / +45°C (-10°C / +50°C with batteries)
Protection rating	IP20
Product dimensions	111x131x720
Control panel	DAB205CU (built-in)
ODS - Obstruction detection system	■
Low energy mode	■
Push opening - PUSH & GO	■
Emergency Stop / Emergency Reverse	■
Safety Test	■
Operator status control (with optional card DAB905ESA)	■ (optional)

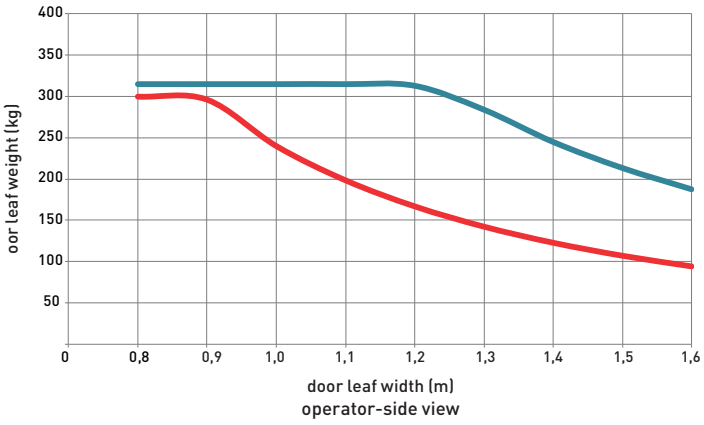
Dimension



Installation type



Operation diagram



The diagram is calculated with the following formula:

J = 1/3 x door leaf weight x door leaf width^2

J = inertia [kgm^2]

Max. inertia: PUSH version (arm DAB805PSA2) = 160 kgm^2
PULL version (arm DAB805PLA2) = 80 kgm^2

Relevant Directives and Standards

MD Machine Directive	**EMCD** Compatibility Directive Electromagnetic	**LVD** Low Voltage Directive	**EN 16005** User Safety Standard	**FIRED TESTED** **SP SITAC ***