

SWING DOOR DRIVE UNIT GILGEN FDC

The automation of new or existing swing doors

Control elements

Hands-free operation is actuated by a movement sensor or other impulse elements. The various operating modes can be selected via a program switch.

- Radars, sensors, movement detectors, remote control or door catch contact as opening elements for inside or outside
- Key-operated switch for operating the locked door from outside at night
- Program switch built into the drive unit
- Optional external program switch BEDIS

Safety elements

- Safety monitoring with automatic stop/ reverse mechanism
- Sensor strip or photoelectric cells
- Emergency OFF switch
- Dry contact for signal (Closed, Open, in motion)

Function

The door is opened by an electric motor, while closure is achieved via a spring mechanism, which can be motor-assisted. The integrated damper unit stops the door from slamming shut. If there is a power cut, the door can be closed by means of its spring mechanism from any position.

A range of individual extra functions is also available:

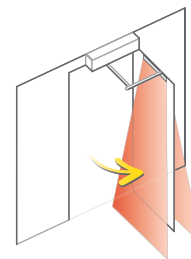
- Reinforced closure
- Push and go function
- Adjustable opening width
- Progressive regulation of opening and closing speed, hold-open time and motor power
- Optical/acoustic signal during movement of door leaf
- Automatic closing sequence control for bi-parting systems
- Interlock control for 2 doors

Safety-tested

The TÜV-tested drive mechanism is designed for a convenient, safe and automatic operation.

Fire-protection

- Reliable fire-protection function for fire-rated doors
- Officially recognised by DIBt



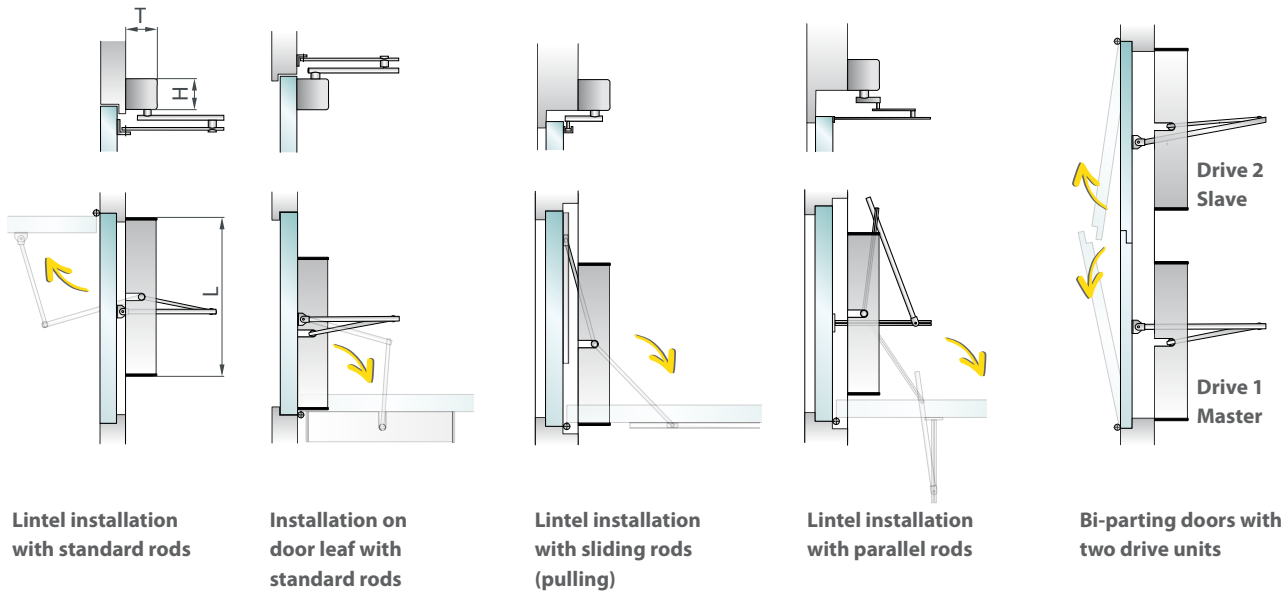
Safety sensors with configurable functions "Reverse" and "Stop" offer additional user protection



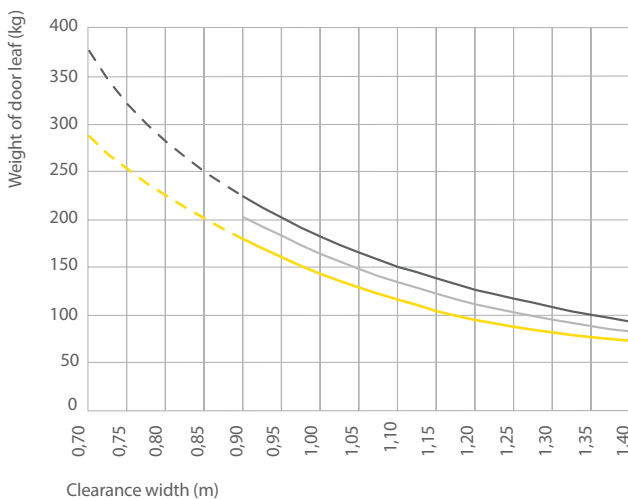
Automation considerably enhances the user comfort of a traditional, manually operated door. The silent electromechanical swing door drive unit Gilgen FDC is qualified for new installations or upgrading.



Swing door drive unit Gilgen FDC - Installation and configuration options



Application range



- Weight, incl. standard rods
- Weight, incl. standard rods (fire-protection version)
- Weight with parallel and sliding rods for interior doors
- - - Non-recommended doorway widths: too narrow for wheelchair users

Technical specifications

Mains supply	230 V, 50 Hz, 10 / 13 A or 115 V, 60 Hz, 10 A
Motor power consumption	<100 W
Ambient temperature	-15 °C to +70 °C
Use in dry rooms	Max. relative air humidity 65 %
Door-opening angle	70 - 95°
Opening speed	adjustable
Closing speed	with mains operation, adjustable, fixed if there is a power failure
Hold-open time	1 - 30 sec (adjustable)
Driving power	adjustable
TÜV-tested	conforming to DIN 18650
Dimensions	530 × 100 × 104 mm
Weight, incl. standard rods	11,3 kg

Basic planning data

	FDC	FDC-E (Economic)	FDC-B for Fire-rated doors
Door-panel width	max. 700 - 1400 mm	max. 700 - 1400 mm	max. 900 - 1400 mm
Performance range	Doors EN 3 - 6	Doors EN 3 - 6	Doors EN 4 - 6
Opening and closing	Motor-actuated opening, closure by spring force. The spring provides improved closing power to reinforce the shutting action.	Motor-actuated opening and closing, without closing spring	Motor-actuated opening, closing by means of spring force.
Closing function in the event of a power failure/fire alarm	The door closes under full control by spring action from any position (self-closure if power fails).	The door remains in its present position. It must be closed manually.	If a fire alarm is activated, the door closes under full control from any position by means of spring action.