

SF1400

Automatic folding door

Passage opening

845 - 1.970 mm



- FAAC SF1400 SERIES automated systems are particularly suitable in environments with limited space where it is not possible to install a normal sliding door and where an escape route is needed in compliance with European Standard EN16005.
- Dual motor option to increase the thrust of the door when opening and to counter wind force or to allow locking of the doors when closing in windy areas.
- The range consists of different models which feature actuation of single or double foldable leaves, with or without mechanical breakthrough system.
- Automatic realignment of the door during movement in case of an abnormal stop or accidental impact.



EN16005



TECHNICAL SPECIFICATIONS

Model	SF1400
Power supply voltage	220-240 V~ - 50/60 Hz
Max. power	140 W
standby power	3 W
Use frequency	100%
Motor	Motor powered at 36 V --- with encoder
Max. accessories load	1A - 24 ---
Type of traction	By means of an electro-conductive toothed belt
Opening leaf time	10 ÷ 60 cm/s (1 leaf) - 20 ÷ 120 cm/s (two leaves)
Closing leaf time	10 ÷ 60 cm/s (1 leaf) - 20 ÷ 120 cm/s (two leaves)
Partial opening adjustment	10% - 90% of total opening
Pause time	0 - 30 s
Night pause time	0 - 240 s
Encoder	As standard
Protection sensor monitoring (EN 16005)	As standard (may be excluded)
Low energy movement (EN 16005)	As standard (may be excluded)
Operating ambient temperature	-20°C ÷ +55°C
Protection class	IP 23 (for internal use only)
Profile type	30 mm aluminium profiles
Glass thickness	double laminated glass 33-15-33 mm
Escape route (EN 16005)	with mechanical breakthrough
Compliance with regulations	EN 16005; EN 13489-1 Pt "c"; EN 13489-2; EN 60335-1; EN 60335-2; EN ISO 12100; EN 61000-6-2; EN 61000-6-3

FAMILY MODELS

Item code	Model	Leaves	Wall recess width (mm)	Free passage width (mm)	Wall recess height (mm)	Passage height (mm)	ANTI-PANIC APN und DOUBLE MOTOR
105436CS	SF1400 1	single foldable	1100 ÷ 1300	845 ÷ 1045	2200 ÷ 2600	2000 ÷ 2400	yes
	SF1400 2	double foldable	1600 ÷ 2340	1230 ÷ 1970	2200 ÷ 2600	2000 ÷ 2400	yes

Contact the FAAC area sales person to get the price offer.

THE COMPLETE SF1400 SPECIAL ENTRANCE INCLUDES THE FOLLOWING COMPONENTS:

SUPPORTING STRUCTURES

- Supporting structure that can be disassembled to facilitate transport

LEAVES

- The leaves are made with rounded aluminium profiles with reduced section, guaranteeing brightness and accident prevention safety.
- They are equipped with insulating glasses 33-15-33
- Lack of visible hinges and movement with the help of roller bearings.
- Anti-panic breakout opening system suitable for escape routes with adjustable magnetic leaf attachment.
- Structure and leaf finish with oxidation or painting with RAL colours

FRONT COVER

- Available in natural and anodized aluminum, with a height of 158 mm.

DRIVE UNIT

COMPLETE WITH:

- Movement of the doors by means of a special linkage with a belt transmission for optimization of speed and smoothness.
- Main gearmotor powered at 36 Vdc with optical encoder
- Microprocessor control unit E1SL with specific firmware.
- Electro-conductive transmission belt.
- Power supply unit with switching power supply with low energy consumption (GREENTECH).

E1SL CONTROL UNIT

- Control unit E1SL - the same as is used on the A1000 and A1400 with characteristics that comply with the safety requirements of European standard EN 16005
- 230 V~ switching power supply unit
- Specific, coloured and removable terminal boards
- Programming of basic functions: automatic, night, door open, one-directional, partial, manual
- Automatic adjustments
 - Definition of open and closed positions
 - Selection of optimal speed, acceleration and deceleration
 - Sensor monitoring in compliance with EN 16005
 - Anti-crushing safety device in compliance with EN 16005
 - Possibility of adjusting speed and SET UP execution directly on the board (without the aid of external programmers)
- RESET function
- 2 configurable output contacts
- N. 2 configurable input contacts
- 2 configurable emergency input contacts
- N. 2 programmable monitored safety sensor inputs EN16005
- Interlock function
- 'Gong' function
- 'Courtesy lights' function
- Immediate closing' function

- LCD display to view the door statuses, the fault diagnostics and programming
- 3 buttons for BASIC programming of:
 - number of leaves
 - pause time
 - energy saving
 - night pause
 - opening and closing speed
 - opening and closing thrust force
 - thrust force time
 - interior/exterior detector programming
 - emergency configuration
- 3 buttons for ADVANCED programming of:
 - monitored protection sensor management
 - input configuration
 - pharmacy function
 - motor block
 - motoring on motor lock
 - night function input delay
 - output configuration
- Firmware update and download/upload of some information (configurations, timers, log files) through the USB drive