

# AUTOMATIC DOOR SYSTEMS WITH **FIRE PROTECTION**



OPENS. CONNECTS. PROTECTS.

# BARRIER-FREE ACCESS THAT CAN **WITHSTAND TRIAL BY FIRE**



There are measures you can take to reduce the fear of fire and its catastrophic consequences. Automatic smoke and fire safety solutions prevent fire and smoke from spreading, helping to protect people and the interior of the building. Tried-and-tested solutions from Monador Automatic Door Systems offer convenient access and ensure a high degree of safety, even in barrier-free buildings. In the event of a fire, the doors close automatically and prevent the flames from spreading for at least 30 minutes.

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## Safely containing fire and smoke

Structural fire safety measures cannot prevent fires from occurring. Fire safety doors from Monador, however, ensure that a fire is limited to as small an area as possible. Automatic fire barriers offer the usual convenience while preventing flames from spreading to other parts of the building in the event of a fire.



### Fire-rated sliding doors

Automatic Monador fire-rated sliding doors offer a convenient, virtually invisible access point in simple day-to-day use and – in the event of a fire – protection from flames and smoke thanks to the TÜV-approved fire barrier. Depending on the variant, these doors are also approved for emergency exit/rescue access use.



### Fire and smoke-rated sliding doors

When it comes to preventing toxic smoke fumes from spreading within a building, self-closing smoke-rated doors are indispensable. Combined with the fire safety function, these solutions also offer effective protection against the spread of flames.



### Fire-rated swing doors

Monador Automatic Door Systems not only stands for top functionality but also for design and individuality. Our swing doors ensure barrier-free access between your rooms – combining convenience, hygiene and, of course, an attractive look.





# FIRE PROTECTION BEGINS WITH PLANNING

New build or renovation – your planning has to include fire barriers and emergency exits. Structural fire safety measures incorporate all measures designed to prevent fires, limit their spread and, in an emergency, ensure an escape route/rescue access.

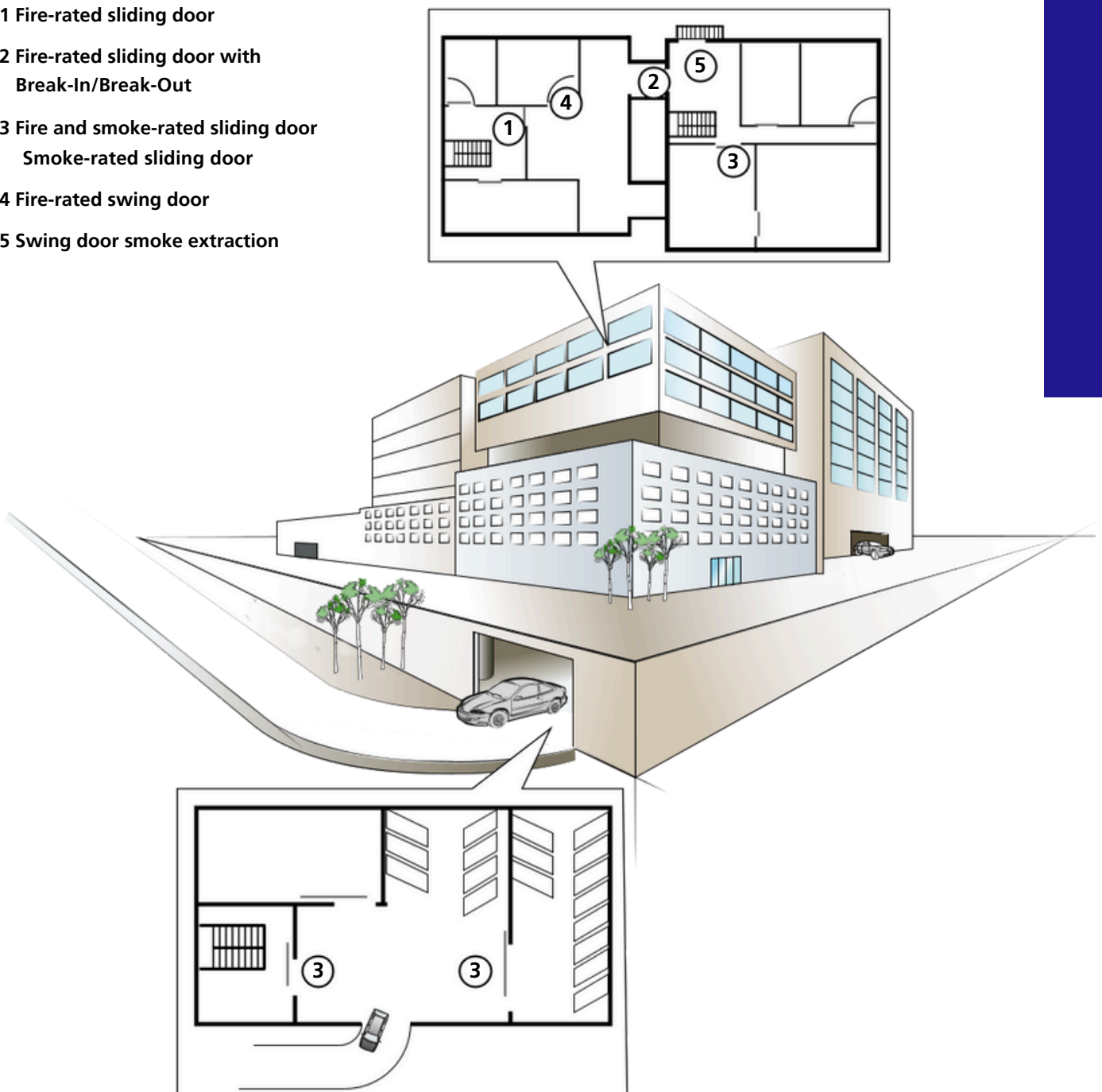
**1 Fire-rated sliding door**

**2 Fire-rated sliding door with Break-In/Break-Out**

**3 Fire and smoke-rated sliding door  
Smoke-rated sliding door**

**4 Fire-rated swing door**

**5 Swing door smoke extraction**



# SLIDING DOORS WITH SMOKE AND FIRE PROTECTION

A good fire-rated automatic sliding door is not only impressive in the event of a fire but in day-to-day use too. Monador doors deliver top quality, the highest safety standards and compliance with statutory guidelines. Thanks to a diverse range of additional functions, our TÜV-approved doors offer virtually endless possibilities.



**In day-to-day use** smoke and fire-rated automatic sliding doors offer the convenient advantages of automatic doors: contactless, barrier-free access.

**In the event of fire** our fire-rated automatic sliding doors help slow the spread of the flames. The doors divide your premises into separate sections and reduce the risk of fire spreading throughout the building.

**If smoke is detected** the smoke-rated automatic sliding doors close instantly to ensure reliable smoke control. The premises are also sectioned into separate smoke zones to prevent the smoke from spreading further.

**In an emergency** our doors provide a life-saving emergency exit. Our fire-rated automatic sliding doors with emergency exit function can be opened manually like a swing door in the event of fire – ensuring a safe escape route.



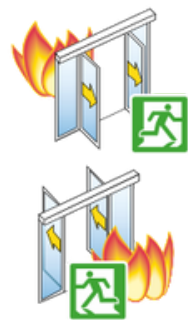
## How does a fire safety door function in an emergency?

If a smoke/fire alarm is triggered in your building, the complete sliding door installation closes slowly and securely. The same applies in the event of power failure. In the safe CLOSED position the sliding door leaves lock mechanically.



### Fire-rated sliding door

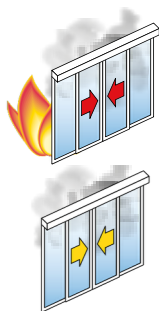
In an emergency, all you have to do is briefly press the illuminated manual switch next to the sliding door. The sliding door will open briefly and automatically close again immediately afterwards.



### Emergency exit with BREAK-IN/BREAK-OUT

Normality and familiar procedures are particularly helpful in an emergency. The sliding door leaves can therefore be opened up like a swing door in an emergency. This provides an escape route, and the mechanical door closers ensure that the fire barrier is then closed again. The choice is yours: the emergency exit function can be activated at any time or only triggered in the event of fire.

- Standard door handle (one side or both sides)
- Door handle as per EN 179
- Pushbar as per EN 1125 (only with BREAK-OUT)



### Fire/smoke-rated sliding door

If battery closure is permitted in your country, you can actuate and close your doors using emergency operating mode with battery and charge monitoring. Alternatively, a SCHNETZ closing device is available for your complete sliding door installation. In both cases, Monador doors deliver top quality and the highest safety standards.

## Additional components for fire-rated automatic sliding doors

### 1 Individual smoke detector

### 2 Drive mechanism with additional components

- Running carriage lock
- Emergency battery or Schnetz closing device
- Additional control with ports for:
  - Smoke detectors (max. 3)
  - Fire alarm system

### 3 Opening and safety sensor

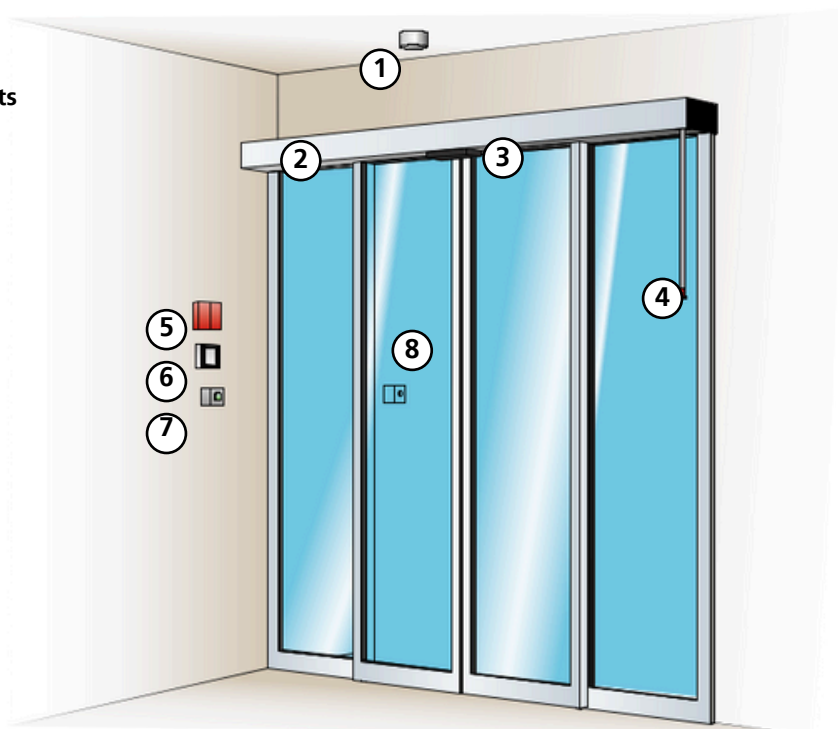
### 4 Manual unlocking

### 5 Test and reset button

### 6 Control panel

### 7 Push-button

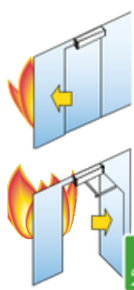
### 8 Key-operated impulse switch



# SWING DOOR DRIVE UNIT

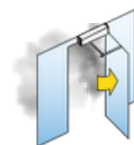
## FIRE-SAFETY TESTED

As you would expect, the swing door drive unit securely closes your door from any position if a fire alarm is triggered. And the closed door can be opened manually to create an escape route. Additional plus points: the doors open and close particularly quietly and are extremely durable. And the universal drive mechanism makes installation straightforward.



### The swing door closes in the event of a fire alarm

- Option of single and bi-parting doors
- With integrated smoke detector
- Spring-powered closure in the event of fire or power failure
- Safe emergency exit/rescue access
- Simple reset on side cover following fire alarm
- LED display for fire alarm integrated in side cover
- Bi-parting doors with continuous covering and integrated mechanical closing sequence regulator

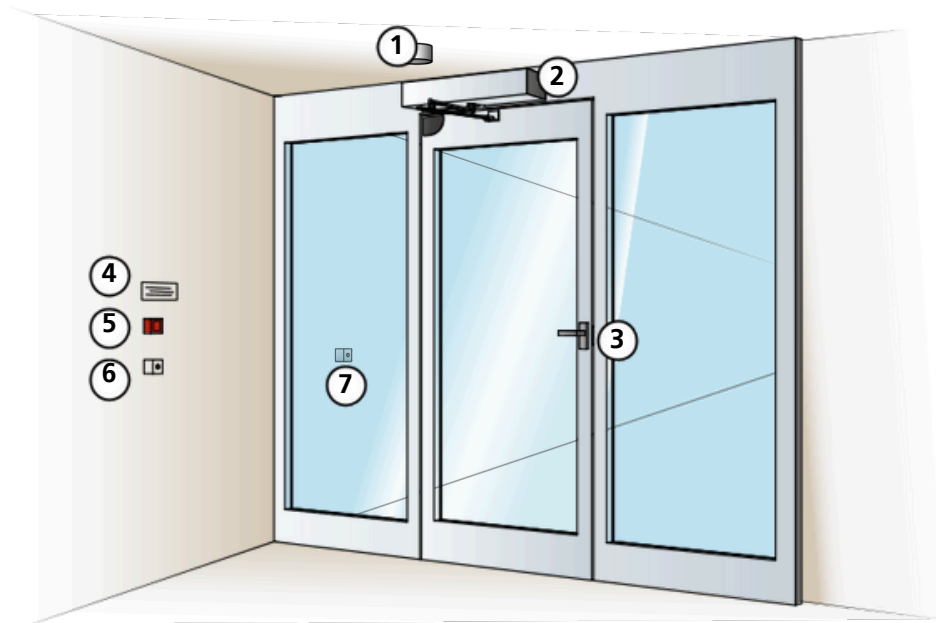


### The swing door opens for smoke extraction

- With integrated smoke detector
- Bi-parting doors with continuous covering
- 'Inverse' function – power-off opening for smoke extraction (SHEV systems, not for doors with fire protection requirement)

## Additional components for fire-rated automatic swing doors

- 1 Fire detector
- 2 Drive mechanism
- 3 Electric door opener
- 4 Information notice about fire safety door
- 5 Manual release button
- 6 Push-button
- 7 Key-operated impulse switch









# TESTED AND APPROVED FOR FIRE SAFETY

When it comes to safety and long-lasting functionality, Monador fire safety solutions are an indispensable part of your construction concept. The special solutions available offer you the latest technologies for your building, tested for compliance with the applicable standards.

## Testing and approvals

- Fire safety, tested to EN 1363-1 and EN 1634-1
- User safety, TÜV-tested to EN 16005 and DIN 18650
- Emergency exit fittings as per EN 179 or EN 1125

## Please note country-specific approvals:

|                                   |                                                                |
|-----------------------------------|----------------------------------------------------------------|
| Fire-rated sliding door           | Switzerland VKF                                                |
|                                   | UK: bre                                                        |
|                                   | Austria: ibs                                                   |
|                                   | Czech Republic                                                 |
| Smoke and fire-rated sliding door | Switzerland VKF                                                |
|                                   | Germany: DIBt                                                  |
| Smoke-rated sliding door          | General building inspectorate test certificate (ift Rosenheim) |
| Swing door drive unit             | Germany: DIBt                                                  |
|                                   | France: CNPP                                                   |
|                                   | UK: Warringtonfire                                             |
|                                   | Hong Kong: FORTE                                               |

## CLIMATIZATION

The process of adjusting the temperature, humidity, cleanliness and air movement of a closed environment according to human health and comfort is called air conditioning. We know that our automatic door models, which combine advanced technology with research on human behavior and building environment, will contribute to sustainable and healthy buildings. With smart sensors, adaptive operating modes and connectivity, we can ensure that every building makes a difference and contributes to the future of green buildings.



## EXPERIENCE AND KNOWLEDGE

**Monador Automatic Door Systems Trade Inc.** is the leading organisation that laid the foundations of the sector. With this understanding, we are proud to continue to provide the service of automatic sliding, magnetic sliding, revolving, security system doors, which we have been implementing in Turkey and the Middle East since 1988. As a result of the experience and knowledge we have gained, with our professional teams, we provide 24/7 service to our customers after sales or after assembly. Our products with superior technological equipment are provided to provide trouble-free service.

## SERVICE & MAINTENANCE SUPPORT

Our periodic maintenance packages are **Platinum**, **Gold** and **Silver** presented in three categories.

✉ info@monador.com.tr

☎ 0212 216 98 18

✉ servis@monador.com.tr

☎ 0212 211 9 211 (In Business Hours)

☎ 0532 465 55 06 - 0532 465 55 07 (Other)



www.monador.com.tr



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