



PANIC TERMINALS

ACCORDING TO THE EN 13637

■ SYSTEM TECHNOLOGY FOR THE DOOR



ELECTRICALLY CONTROLLED EMERGENCY EXIT SYSTEMS FOR DOORS IN ESCAPE ROUTES **EN 13637**

Why are electrically controlled emergency exit systems required?

Many projects need escape routes that guarantee quick escape out of the building during an emergency. In many cases, however, the direct release of an escape door is a security risk. The new standard EN 13637 enables the electronic

control of panic bar systems on escape doors. This gives building owners, operators and planners more control over escape doors and escape routes without compromising safety or the possibility of escape in an emergency.

What's new about it?

EN 13637 is a harmonized standard. It becomes binding upon publication in the Official Journal of the EU (OJEU). However, it is currently not clear when the publication will be. In general, there is

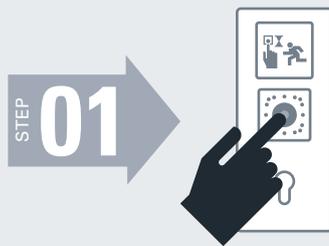
a coexistence phase after publication in which, in addition to EN 13637, for example, local standards (e.g. the German EltVTR) are also valid.

How was EN 13637 implemented in the various EU countries before?

In some countries within the European Union there were so far no standards for corresponding products. In many cases special solutions were created that have little to do with a security

aspect and could endanger human lives. To show you which solutions will be used in the future according to EN13637, we have schematically created up-to-date solutions.

Panic release



Time delay
of max. 15 sec.



Door opens



What are the areas of application of EN 13637?

The most common use of electrically controlled emergency exit systems is in public buildings (e.g. shopping centers, hospitals). In this case, let's take a shopping mall as an example. If you want to steal goods, you could press the panic bar handle to open the door and exit the building via the escape doors. This direct release of the escape door would pose a security risk. EN

13637 allows the opening of escape doors to be delayed by 15 seconds if someone tries to open them. This delay in opening usually gives security personnel enough time to act accordingly. These electronically monitored escape doors are integrated in a security concept so that the doors can be opened immediately in the event of a fire.

How does such a product work?

The escape route terminal usually consists of an emergency button in combination with a code keypad or a cylinder switch and an LED display. Normally, people can release and unlock the door via cylinder or key card without triggering an alarm signal. In an emergency, users can unlock the door locally using the emergency button.

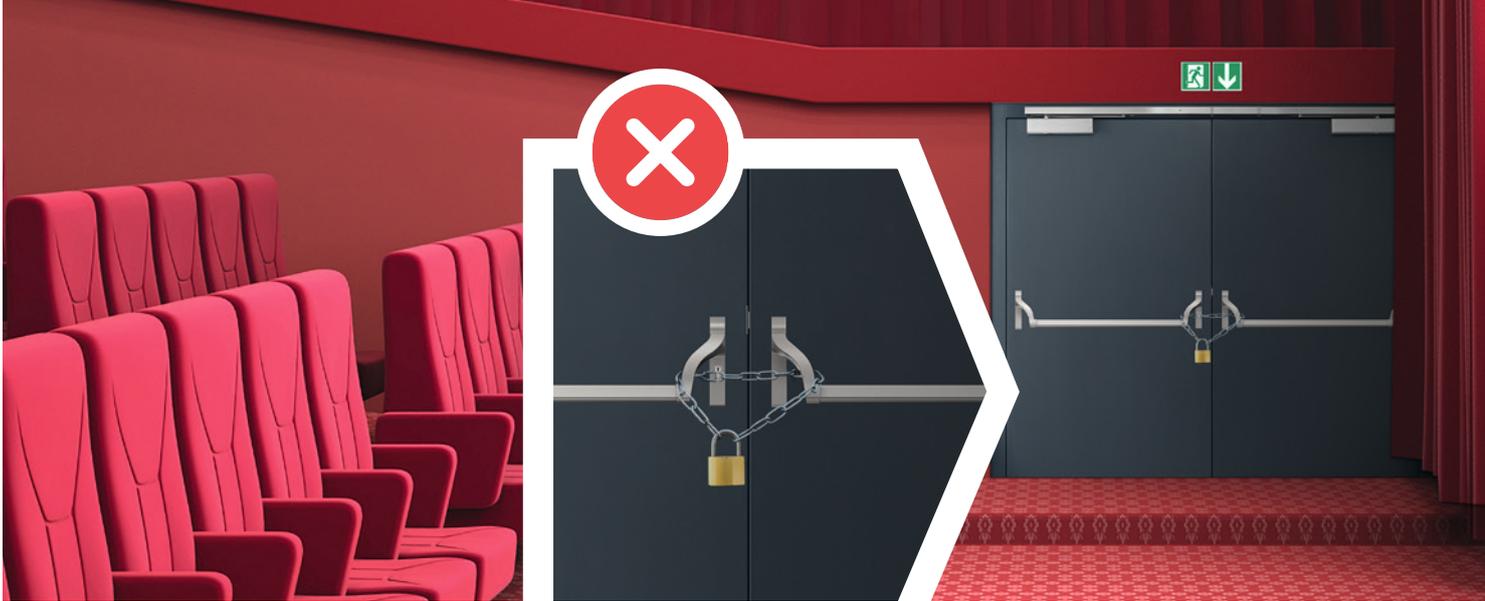
In this case, an alarm is triggered on-site and a 15 second countdown starts until the door is unlocked. In dangerous situations, the building management can unlock the door directly so that the time delay is bypassed.

LOCAL EUROPEAN SOLUTIONS

DOOR IN A HOSPITAL WITH LOCKED DOOR GUARD



DOOR IN CINEMA WITH LOCKED EMERGENCY EXIT



EMERGENCY SWITCH WITHOUT ACKNOWLEDGMENT



EN 13637 – STEP BY STEP

Fully mechanical door

Door with fitting according to EN 179 or EN 1125.

Locking, handle and locking plate are tested and certified as a system!

Emergency exit
Emergency exit device with lever handle

EN 179



Panic exit
Panic exit device with horizontal bar

EN 1125



Mechanical door
+ FTI



Mechanical door
+ FTI
+ Locking



EN 13637

A SYSTEM SOLUTION

offered by ECO Schulte to easily and safely implement the EN 13637 on any door.

FTI – Escape route terminal with key pad



FTI – Escape route terminal with cylinder



ECO Schulte offers three different locking options:

Emergency exit e-strike and latch lock



Electromagnetic lock



Guardian EPN 2000 III motorized



ESCAPE DOOR TERMINAL AND ELECTROMAGNETIC LOCK

ELECTROMECHANICAL ESCAPE DOOR

Door specification

Door type

DIN R

Security aspect

- Suitable for fire protection (when using fire protection-tested locks, fittings, etc.)
- Suitable for rescue and escape routes

System possibilities

System expandable

Function description

Entry

Entry is authorized via the code keypad / reader.

Exit

The exit is authorized via the code keypad / reader on the terminal.

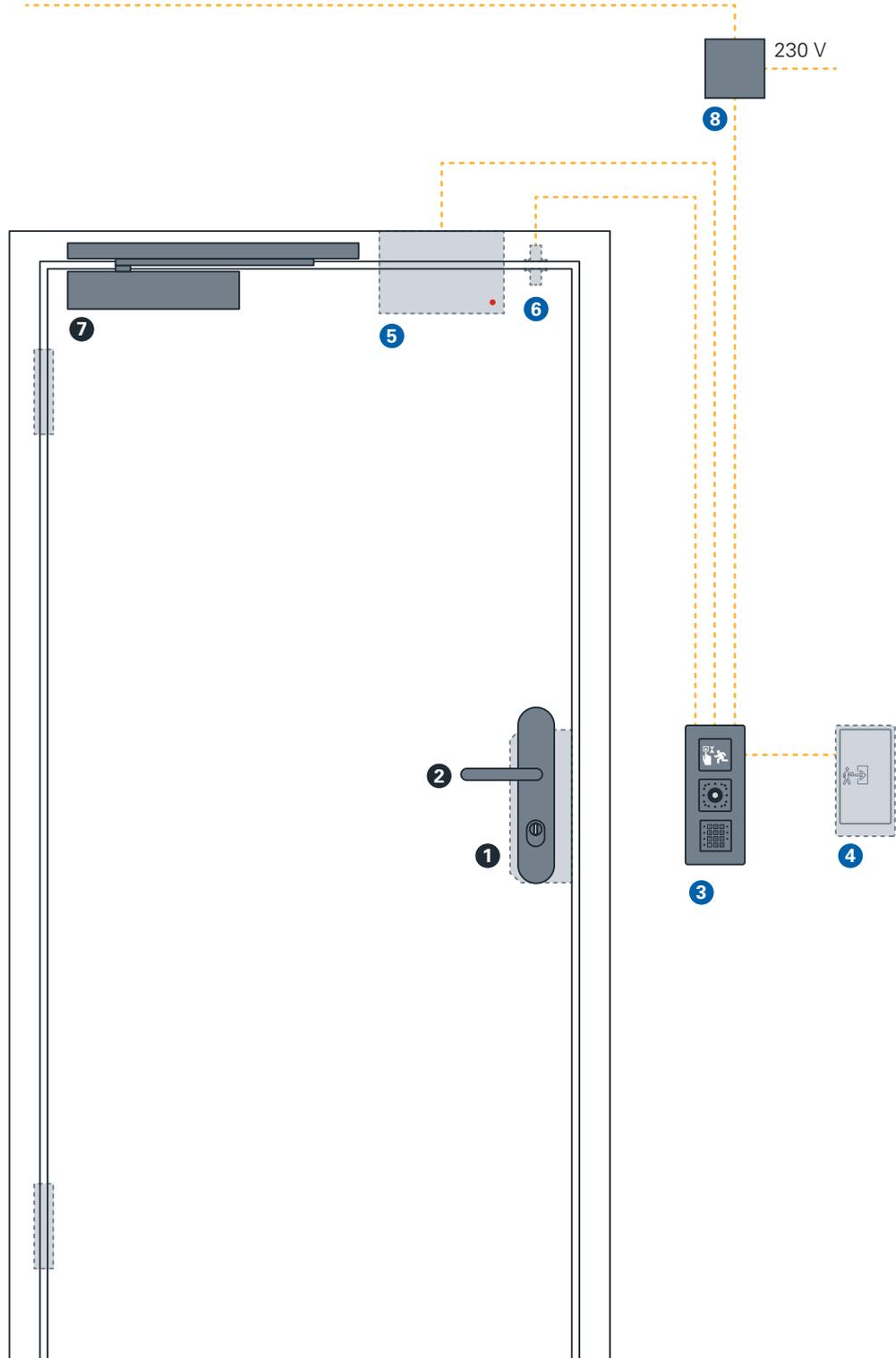
Emergency / escape route

The door can always be used by pressing the emergency button (with alarm triggering).

Products at the door

No.	Product	Description	Product code
1	Mortise lock	Mechanical panic lock	GBS 92
2	Handle	Panic door handle	ES-1 security handle with D-110
3	Escape door terminal	Terminal acc. to EN 13637	FTI
4	Flip switch	Switch from the non-monitored side	GFT ECO AP-ws
5	Magnetic lock	Electromagnetic lock with hall sensor 300kg	EF300CTC
6	Door contact	DMC15, magnetic contact type U	DMC15U.06
7	Door closer	Door closer with slide rail	TS-61 with slide rail B
8	Power supply	Power supply 24V DV, 3.5A	NTG2425

BMS / IDS / remote release



ESCAPE DOOR TERMINAL AND ELECTROMAGNETIC LOCK

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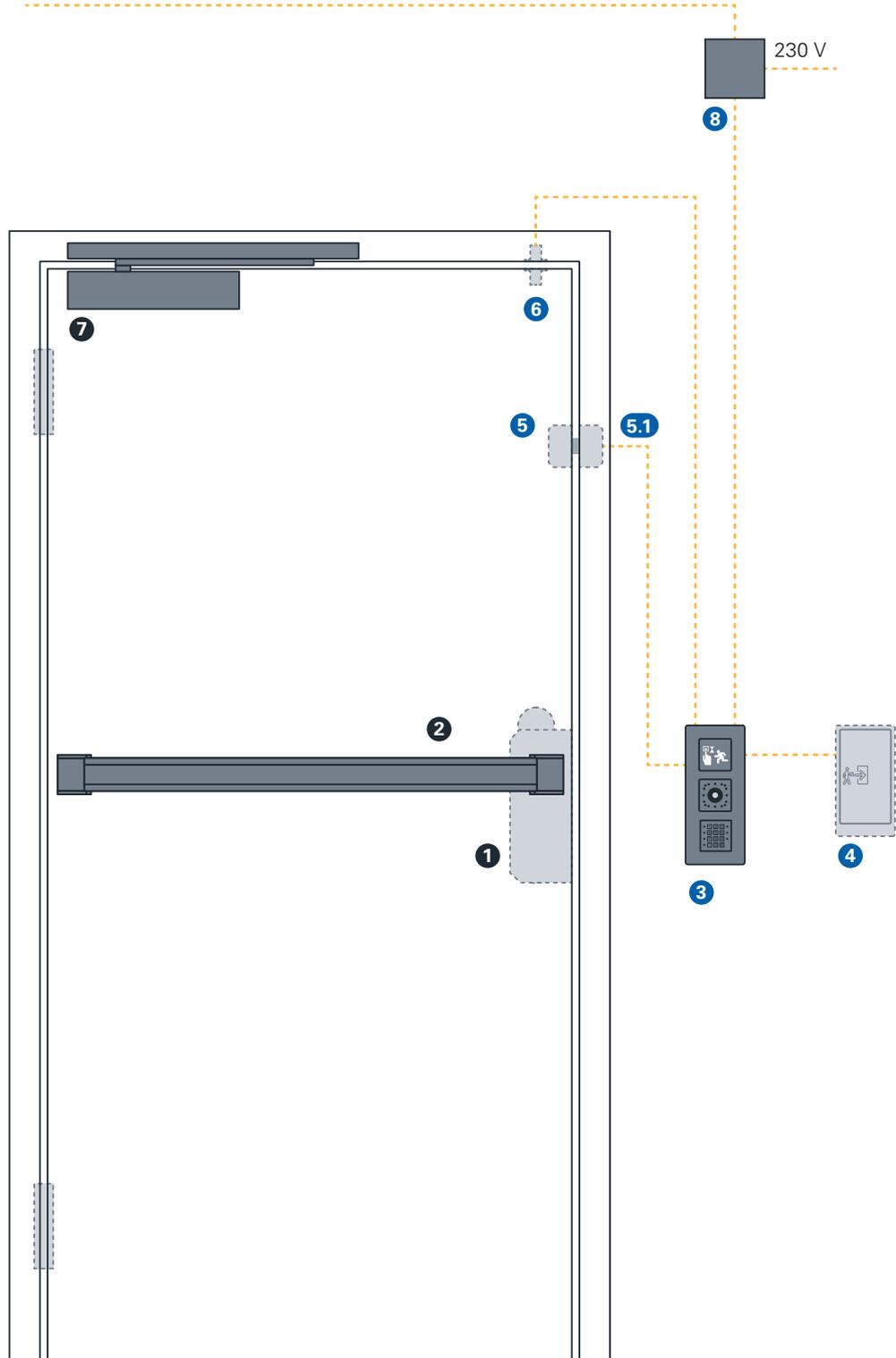
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2	Handle	Panik bar handle	Guardian EPN 2000 III
3	Escape door terminal	Terminal acc. to EN 13637	FTI
4	Flip switch	Switch from the non-monitored side	GFT ECO AP-ws
5	Latch lock	Mechanical latch lock	GBS 198
5.1	E-strike	E-strike with emergency exit function	TV5-ARBLSA/TV-5 ARBRSA
6	Door contact	DMC15, magnetic contact type U	DMC15U.06
7	Door closer	door closer with slide rail	TS-61 with slide rail B
8	Power supply	power supply 24V DV, 3.5A	NTG2425

BMS / IDS / remote release



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