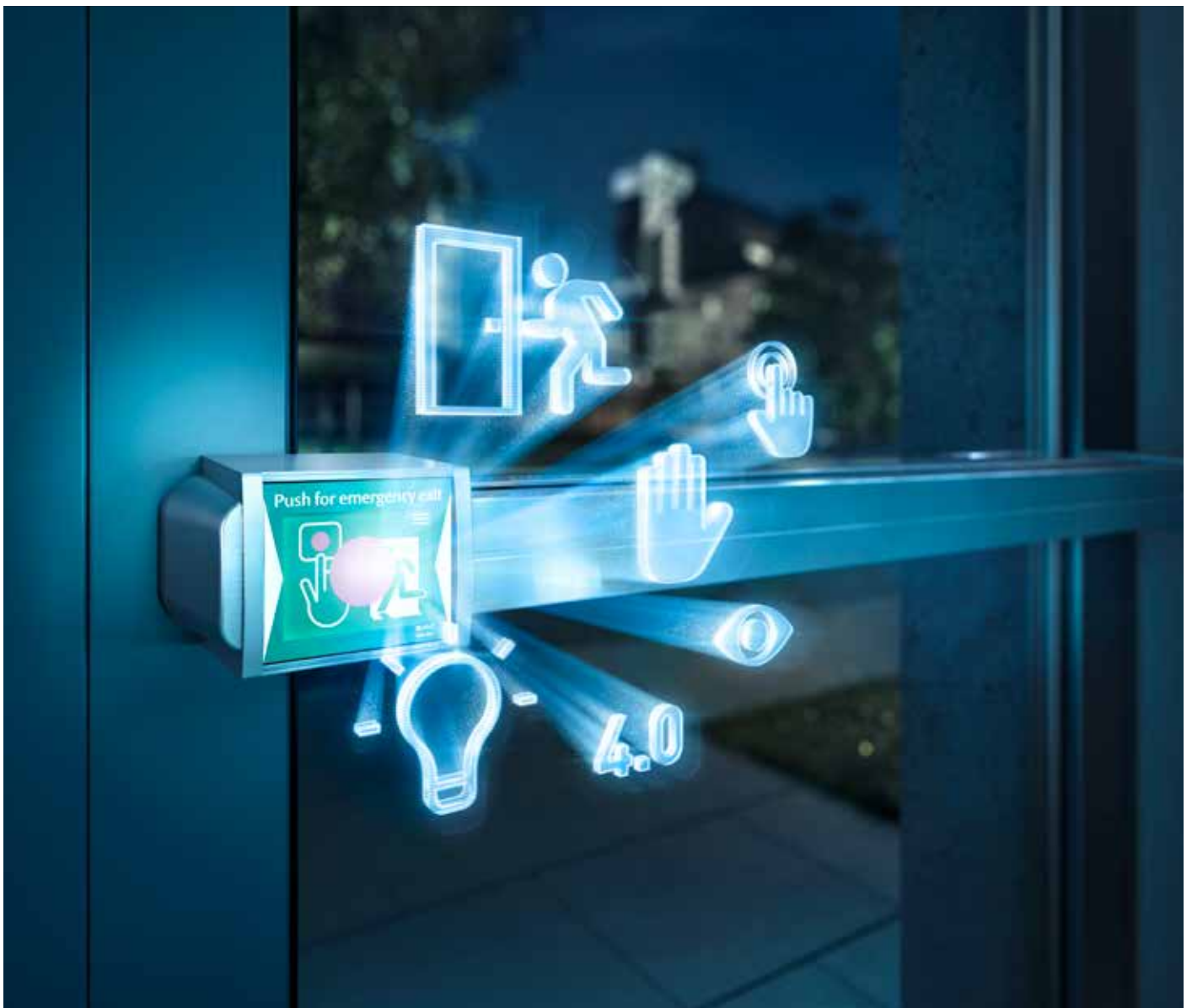


# ePED® panic touch bar with escape route technology from effeff



Panic touch bar with  
ePED® technology from effeff

**ASSA ABLOY**

The touch bar with integrated escape route technology

Experience a safer  
and more open world

## ePED® panic touch bar – Escape route technology directly on the door

Securing escape doors has never been so easy:  
Innovative all-in-one solution, focussed on the essential  
of escape door security.  
The operation for the user is where it belongs:  
directly on the door.

**Areas of application:**  
Public institutions and event locations, airports, clinics,  
administration buildings, retail, stores and more.



Escape route – ePED® opens  
the escape route quickly  
and securely.



Intuitive operation – ePED® guides and  
informs the user clearly thanks to the  
touch display.

4.0

Integration 4.0/networking –  
ePED® groups individual  
components into a  
standardised system.



Innovation – ePED® is her-  
alding the era of intelligent  
and innovative escape  
route technology.



Control – ePED® only allows  
authorized persons to open  
the door in normal  
operating mode, misuse is  
prevented.



Monitoring – ePED always  
monitors the status of  
the door and reports it to  
central systems.

## ePED® panic touch bar – did you think of everything?



### All-in-one

The ePED panic touch bar with integrated display terminal contains the  
**complete electrically controlled escape door system in just one unit.**  
Only a 24 VDC voltage supply is required for operation. This enables existing  
compatible panic locks to be easily retrofitted with the function of an electrically  
controlled escape door system.

### All models at a glance!

The display terminal integrates four modules: **Escape route pictogram,**  
**emergency button, authorised use and display of the time delay.**  
All the important information, such as door status, operation, technical details and  
maintenance information, can be called up via the display.

### Everything secure!

The function of the panic touch bar is **electrically controlled.** If the escape route  
system is activated, the touch bar can be activated, but the lock is not unlocked. The  
door can only be opened after an electrical release. For even more security, the door  
can be held closed by an intrusion-resistant multi-point lock. The mechanical  
function is safely activated on release or a power failure. In case of emergency, the  
touch bar is released by pushing the EMERGENCY OPEN button. In addition to the  
emergency button integrated in the display terminal, the panic touch bar can also  
be used as an emergency button.

### Everything can also be retrofitted!

Simply plan the door with the mechanical OneSystem touch bar and lead cover  
and replace with the relevant ePED bar later, connect the power supply, done!  
The requirements of the door are not always clear in advance when planning a  
building: How many parties will share the building? What requirements does the  
tenant have? So it's a real advantage if the escape-door locking system can also be  
retrofitted without any issues.

### Everything tested!

With **certification in accordance with the German guideline for electrical locking  
systems for doors along escape routes (EltVTR),** the ePED® fulfils building code re-  
quirements in Germany and offers maximum security in dangerous situations. With  
additional **certification to EN 13637:2015,** European requirements are fulfilled and  
new options offered for security concepts in buildings.

## stands for electrically controlled Panic Exit Device

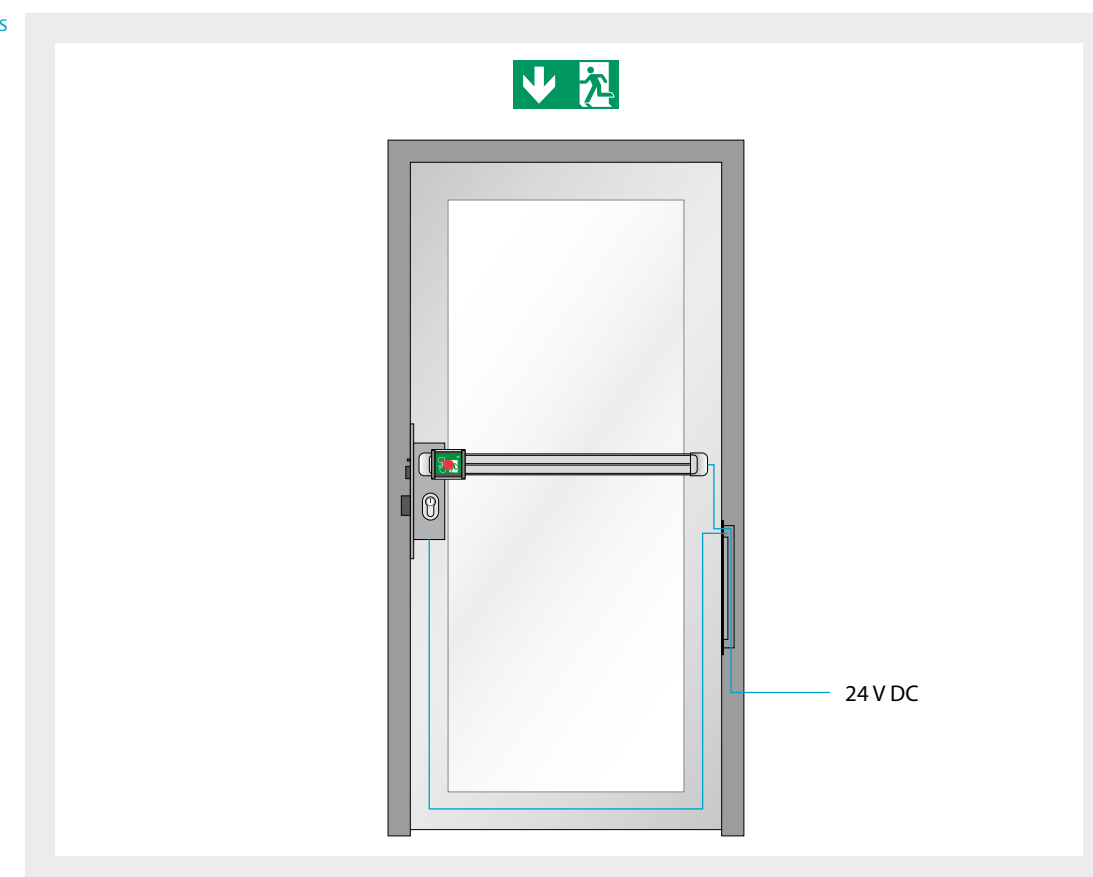
The ePED® panic touch bar integrates the escape door system in a single element.

### Benefits at a glance:

- Integration of the electrically controlled escape door system into the ePED® panic touch bar
- Higher intrusion protection with electrically controlled ePED® panic touch bar
- Minimal wiring, only a voltage supply is required.
- Integrates a conventional escape door terminal into a single element
- No separate escape door terminal on the wall required: Display terminal with integrated EMERGENCY OPEN button.
- Flexible configuration via the touch display
- Status indication and operation in a graphical design
- Opening of the door with the locking cylinder is possible without additional electrical trigger action
- Easy integration into the door system thanks to Hi-O bus
- Available for single leaf as well as double leaf doors
- Tested and certified according to EltVTR, EN 13637:2015 and EN 1125
- Optional:
  - Time-delayed release if the emergency switch is pushed
  - Intuitive triggering of the emergency switch function when the ePED® touch bar is pushed with pre-alarm
  - Integration of the locking element (controlled touch bar)

## Easy networking via Hi-O

Hi-O bus technology makes wiring and networking ePED® components easy.



### ePED® stands for electrically controlled Panic Exit Device

The key advantage of the ePED® technology is consistent wiring with the ASSA ABLOY Hi-O bus. This enables easy coupling of two previously independent systems: The security function of locking an emergency exit and controlling the door technology. With ePED, the door is securely released both when the emergency switch is pushed and in the event of a malfunction.

A further new addition compared with the EltVTR is the option of time-delayed escape door release. This is particularly suitable for institutions such as nurseries or dementia wards in hospitals and care

homes. German building codes state that approval from the relevant building authorities is required for this optional function that deviates from the EltVTR.

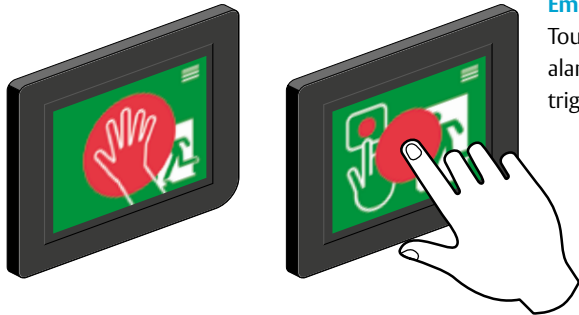
It will be possible to read out information on maintenance, opening cycles and error diagnosis via a service interface with ePED in the future.

Connecting ePED to the Hi-O bus technology makes wiring much easier. Planners benefit from the systematic approach, which enables components and systems to be combined throughout.

# The pioneering difference

## Modern design and state of the art operation

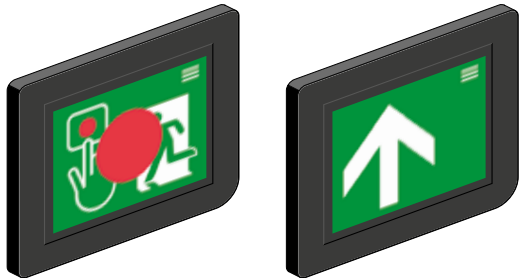
The first escape door system with a display on the terminal can do everything a "normal" escape route terminal can do and much more.



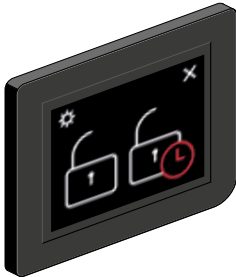
**Emergency switching function**  
Touching the red surface initiates the release and a pre-alarm is triggered. The emergency switching function is triggered if the display is pressed completely.



**Release delay display (optional)**  
When the release delay is activated, the remaining wait time is shown in seconds.



**Escape route icon and status display**  
On a secured escape door, the display terminal shows the relevant icon and refers to the operation and correct conduct in case of danger.



**Operation and configuration**  
Authorised users are identified via a PIN code and are granted access to the configuration and extended operating functions.

# Suitable for all areas of use:









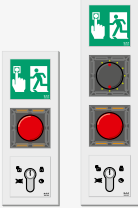

## Overview of the variants

Based on individual requirements, ePED offers the product selection between 3 escape door operating elements for electronically controlling the escape door systems.

- Operating elements:**
- ePED door terminal with key, ePED display door terminal and ePED panic touch bar.
  - Partially with operation via touch display and situation-based information to guide the user
  - A wide range of safety functions are available via bus for all versions.
  - Modular planning, easy installation with only 4 wires
  - All system components are legally compliant

- Locking elements:**
- The escape route locking system is activated via ePED interface with latest Hi-O Technology.
  - Full integration into building management systems.
  - Up to 8 ePED interfaces can be connected to each door.
  - Compliant locking elements: escape electric strikes 351U80, 332 and 331. Holding magnets with magnetic contact: 827 HA and 828.

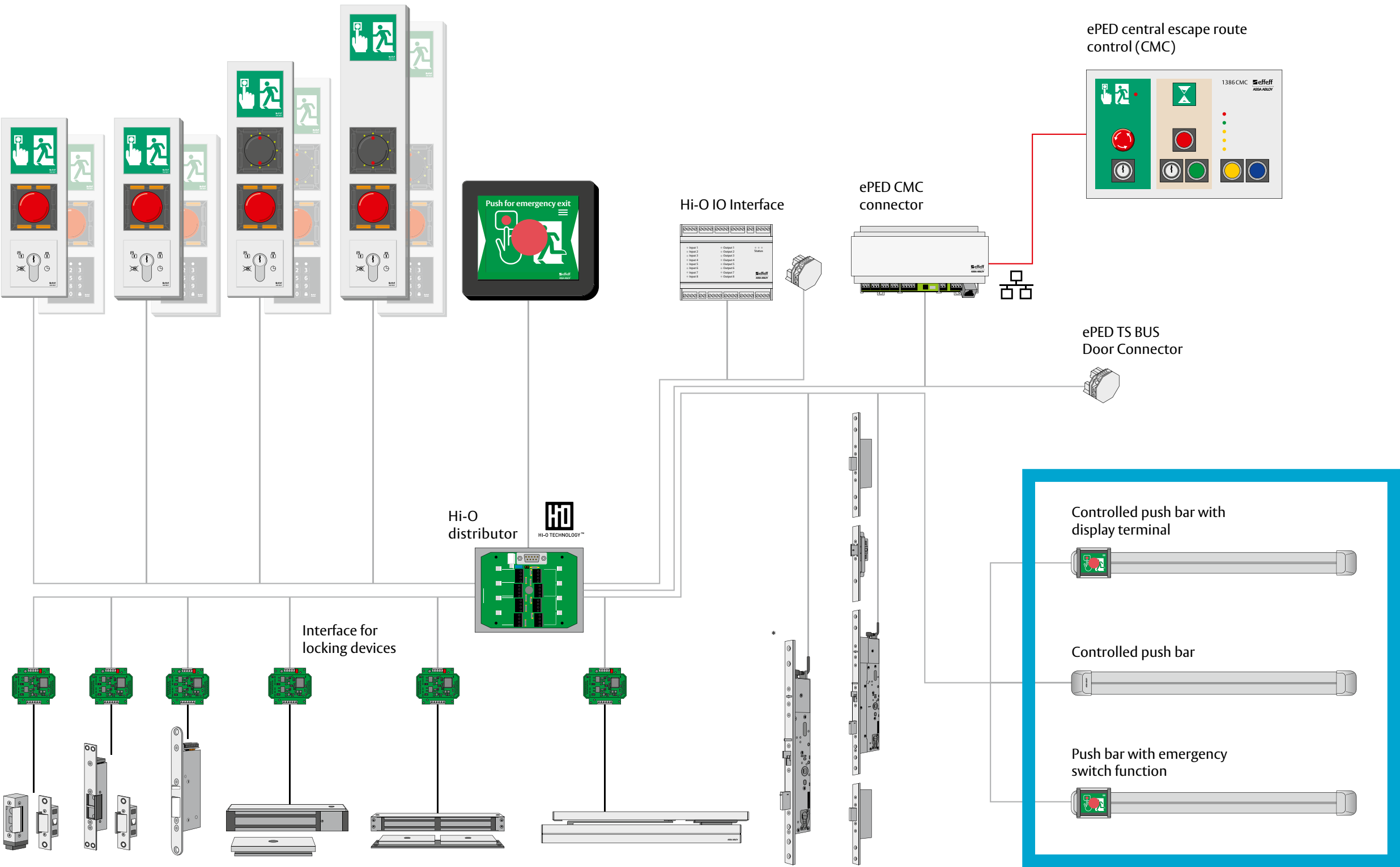
- ePED® technology is available in three variants:**
- Traditional in the switch design
  - Elegant as a display terminal
  - Innovative in the panic touch bar

Description	Emergency button	On actuation	Locking	t1/t2		IO CAN, TSB (optional)	Fire protection
<b>Model N3722</b> ePED® panic touch bar, controlled with display terminal 		✓	✓	✓	✓	✓	✓
<b>Model N3702</b> ePED® panic touch bar, controlled 	external		✓	✓	✓	✓	✓
<b>Model 3660</b> ePED® panic touch bar, not controlled with display terminal 			external escape door locking	✓	✓	✓	✓
<b>Model 1386D10</b> ePED® display door terminal 			external escape door locking	✓	✓	✓	✓
<b>Model 1386D00</b> ePED® escape door terminal 			external escape door locking	✓	✓	✓	✓



Applications  
without time delay

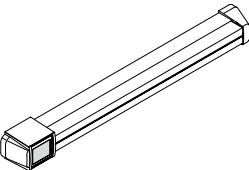
Applications  
with time delay



\* Combined operation of ePED® and Hi-O lock depends on the lock type and the software version

# ePED® panic touch bar, controlled on display terminal

## Technical information



### ePED® panic touch bar, controlled on display terminal

For use in conjunction with a permitted lock as a panic touch bar and to secure the active leaf as an electrically controlled emergency exit door system. Use with and without release delay, with four-wire bus cabling in Hi-O technology. Electrically controlled touch bar panic function to secure the panic lock against misuse. Emergency open module to control and monitor electrical locking elements approved for escape and rescue routes. The release delay is tested as per the requirements specified in EN 13637:2015 (electrically controlled exit systems for use on escape routes) as per EN 61508 Safety Integrity Level 2 (SIL2). Current building codes state that an approval from the relevant building inspectorate is mandatory for applications with a release delay.

#### The advantages at a glance

- Panic touch bar as per EN 1125
- Electrically controlled panic function
- Emergency door release by pushing the display unit
- Optional emergency open activation by pressing the panic touch bar
- Pictogram with situational display of the operating status
- Acoustic signaling of alarms or disruptions with the orientation signal function
- Display of the optional time delay
- Authorised operation with authorisation code on touch screen
- Configuration of the escape door system
- Extension and external activation via the Hi-O bus

#### Notice

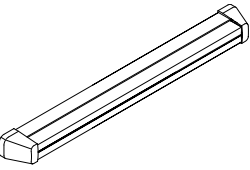
ePED touch bars are custom-manufactured for the desired base profile length. Dimensions cannot be changed at a later stage. As a general rule, such custom-made products cannot be returned or cancelled. Indicate the length of the base profile with a tolerance of ±1 mm when placing orders.

Technical attributes	
Current consumption 24 V DC	550 mA
Control function	Yes, Hi-O technology
Panic function	Controlled
Operating and display function	Yes, integrated
Power supply	No, external power supply is necessary
Connection	4-wire bus
Illuminated pictogram	Yes, by the integrated touch display
Down Counter	Yes (optional)
Display of down counter	Yes
Emergency Push Button	Yes, by pressing the display unit or panic touch bar
Control element	Code and function surface on touch display
Initial configuration	Configuration by integrated touch display
Required power supply	24 V (±10 %) DC SELV
Operating temperature range	−10 °C – +55 °C
Relative humidity	< 95% (non-condensing)
Area of application	For indoor use
Class of protection	IP30 (if completely installed)
Mounting dimension	900-1430 mm
Length of basic profile	850-1380 mm
Overall length	Base profile + 80.5 mm
Backset	≥ 35 mm
Construction height	100 mm
Handing	Universal
Touch bar profile	Stainless steel
Sabotage switch	Yes
Inputs	None; using Hi-O bus extension
Outputs	None; using Hi-O bus extension
Amount of bus addresses	3
Expandable	Yes, using Hi-O bus
Certified in compliance with	EltVTR; DIN EN 13637:2015

Article / Feature	Order no.
Controlled with display terminal, language: German	N 3 7 2 2 0 0 x x x x 0 0 0 0
Controlled with display terminal, language: English	N 3 7 2 2 0 0 x x x x G B 0 0

# ePED® panic touch bar, controlled without display terminal

## Technical information



### ePED® panic touch bar, controlled without display terminal

For use in conjunction with a permitted lock as a panic touch bar to secure the second door leaf or in combination with an additional emergency exit door terminal. Use with and without release delay, with four-wire bus cabling in Hi-O technology. Electrically controlled touch bar panic function to secure the panic lock against misuse.

#### The advantages at a glance

- Panic touch bar as per EN 1125
- Electrically controlled panic function
- Extension and external activation via the Hi-O bus

#### Notice

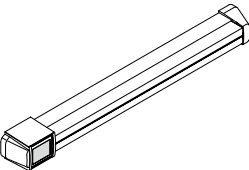
ePED touch bars are custom-manufactured for the desired base profile length. Dimensions cannot be changed at a later stage. As a general rule, such custom-made products cannot be returned or cancelled. Indicate the length of the base profile with a tolerance of ±1 mm when placing orders.

Technical attributes	
Current consumption 24 V DC	500 mA
Control function	Yes, Hi-O technology
Panic function	Controlled
Operating and display function	No
Power supply	No, external power supply is necessary
Connection	4-wire bus
Illuminated pictogram	No
Down Counter	Yes (optional)
Emergency Push Button	No
Control element	No
Initial configuration	With an additional door terminal
Required power supply	24 V (±10 %) DC SELV
Operating temperature range	−10 °C – +55 °C
Relative humidity	< 95% (non-condensing)
Area of application	For indoor use
Class of protection	IP30 (if completely installed)
Mounting dimension	900-1430 mm
Length of basic profile	850-1380 mm
Overall length	Base profile + 80.5 mm
Backset	≥ 35 mm
Construction height	100 mm
Handing	Universal
Touch bar profile	Stainless steel
Sabotage switch	Yes
Inputs	None; using Hi-O bus extension
Outputs	None; using Hi-O bus extension
Amount of bus addresses	1
Expandable	Yes, using Hi-O bus
Certified in compliance with	EltVTR; DIN EN 13637:2015

Article / Feature	Order no.
Controlled; without display terminal	N 3 7 0 2 0 0 x x x x 0 0 0 0

ePED® panic touch bar, not controlled on display terminal

Technical information



ePED® panic touch bar, not controlled on display terminal

For use in conjunction with a permitted lock as a panic touch bar with an integrated display terminal. Use with and without release delay, with four-wire bus cabling in Hi-O technology. The touch bar panic function is not controlled. An additional locking element is required to secure the escape door. Emergency open module to control and monitor electrical locking elements approved for escape and rescue routes. A release delay deviating from this is tested in compliance with the requirements specified in EN 13637:2015 (electrically controlled exit systems for use on escape routes) as per EN 61508 Safety Integrity Level 2 (SIL2). Current building codes state that an approval from the relevant building inspectorate is mandatory for applications with a release delay.

The advantages at a glance

- Panic touch bar as per EN 1125
- Emergency door release by pushing the display unit
- Pictogram with situational display of the operating status
- Acoustic signaling of alarms or disruptions with the orientation signal function
- Display of the optional time delay
- Authorised operation with PIN code on touch screen
- Configuration of the escape door system
- Extension and external activation via the Hi-O bus

Notice

ePED touch bars are custom-manufactured for the desired base profile length. Dimensions cannot be changed at a later stage. As a general rule, such custom-made products cannot be returned or cancelled. Indicate the length of the base profile with a tolerance of ±1 mm when placing orders.

Technical attributes	
Current consumption 24 V DC	200 mA
Control function	Yes, Hi-O technology
Panic function	Not controlled, additional escape door locking necessary
Operating and display function	Yes, integrated
Power supply	No, external power supply is necessary
Connection	4-wire bus
Illuminated pictogram	Yes, by the integrated touch display
Down Counter	Yes (optional)
Display of down counter	Yes
Emergency Push Button	Yes, by pushing the display unit
Control element	Code and function surface on touch display
Initial configuration	Configuration by integrated touch display
Required power supply	24 V (±10 %) DC SELV
Operating temperature range	-10 °C – +55 °C
Relative humidity	< 95% (nicht kondensierend)
Area of application	For indoor use
Class of protection	IP30 (if completely installed)
Mounting dimension	730-1430 mm
Length of basic profile	680-1380 mm
Overall length	Base profile + 50 mm
Backset	≥ 35 mm
Construction height	100 mm
Handing	Universal
Touch bar profile	Stainless steel
Sabotage switch	Yes
Inputs	None; using Hi-O bus extension
Outputs	None; using Hi-O bus extension
Amount of bus addresses	2
Expandable	Yes, using Hi-O bus
Certified in compliance with	EltVTR; DIN EN 13637:2015

Article / Feature	Order no.
Not controlled, with display terminal, language: German	N 3 6 6 0 0 0 x x x x 0 0 0 0
Not controlled, with display terminal, language: English	N 3 6 6 0 0 0 x x x x G B 0 0

Proven technology and well thought out solutions-  
all from a single source

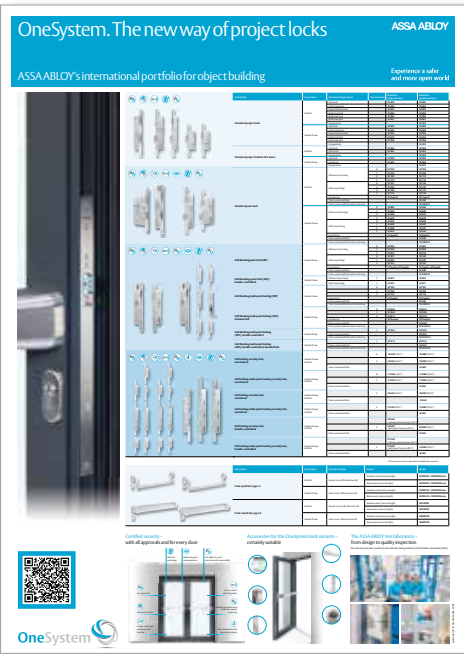


You will find more information and suitable accessories in our ePED® technology catalogue

Click here for the PDF



or here:  
[www.assaabloy.de/eped](http://www.assaabloy.de/eped)



You will find detailed information about the OneSystem lock range on our poster

Click here for the PDF



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[www.assaabloy.de/onesystem](http://www.assaabloy.de/onesystem)

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in access solutions. Every day we help  
people feel safe, secure and experience  
a more open world.

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Opening Solutions

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