Escape route technology with intelligent door management

ePED® – electrically controlled escape door systems with Hi-O Technology

effeff
ASSA ABLOY

Experience a safer and more open world

About us.

effeff
ASSA ABLOY

Whatever you want to secure,protect, maintain –
we have technology you require.

Elbphilharmonie Hamburg

HafenCity University Hamburg

Bauhaus Dessau

Library Stuttgart

Breaking new grounds, implementing new technologies, developing new ideas. Founded in 1936, the company effeff based in Albstadt became the market leader in the field of door control systems by following a consistent strategy.
After starting the electric strike production in 1947, a comprehensive product range has been gradually developed, which enables effeff to offer suitable solutions for every door.

February 1st, 2000, effeff joined the ASSA ALBOY Group based in Stockholm, Sweden and merged at the beginning of 2005 with IKON GmbH Präzisionstechnik, Berlin who also belong to the group to become ASSA ABLOY Sicherheitstechnik GmbH.

IKON and effeff, both renowned and well-established brands within the market remain under ASSA ABLOY Sicherheitstechnik GmbH as do the production sites of Berlin and Albstadt and a sales office in Ratingen.

ASSA ABLOY is the leading manufacturer and supplier of mechanical and electro-mechanical locks and related products worldwide. Our customers benefit from the extensive know-how of the largest international group of companies, meeting every requirement in terms of total security and comfort throughout the world.

We assist you
with words and deeds

The experts at ASSA ABLOY Sicherheitstechnik would be pleased to advise you which electric strike model is most suitable for which installation position.

Hotline Technical advice

+49 7431 123-381

Technical advice
In the matter of technical advice, with us you will be supported by professionals who will continue to help you on every question on technical details. Of course you can also be put into contact with specialists for questions of detail in the matter of technical risk assessment or key accounts.

Hotline Sales/order processing

+49 7431 123-700

Sales advice/order processing
With our commercial customer services you can deal with all questions to do with your purchase order, for example the status of the order processing, the delivery date, purchase order changes, but also returns or guarantee issues. Use this simple and quick option to get information or help from our specialists. We will do that with pleasure.

Trade fairs
You will find effeff at many national and international trade fairs. You can obtain the exact dates from our website www.assaabloy.de

Our product catalogue online at
www.assaabloyopeningsolutions.de

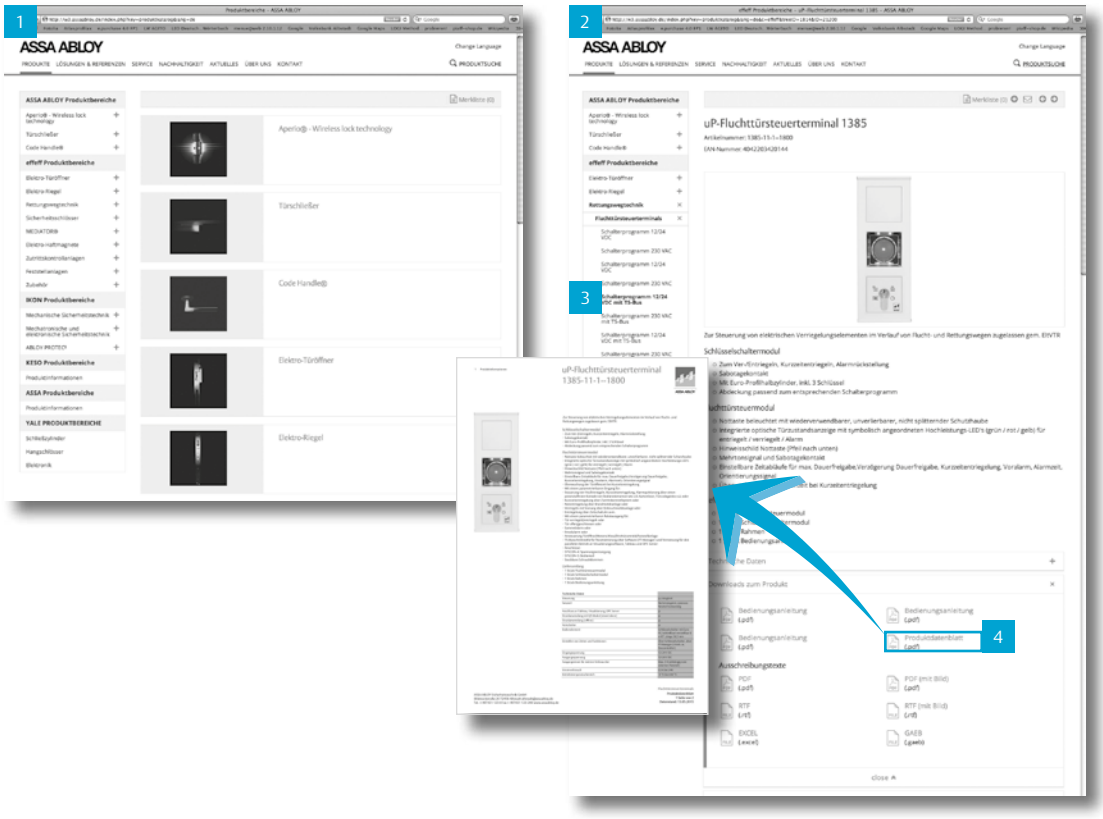
Fast and up-to-date comprehensive product information at any time

1
Clearly arranged layout according to our different product areas...

2
the submenu will help you navigate through our database...

3
to find the model you need.

4
By just clicking on the article, you can generate a detailed specification sheet.



Contents

Where can I find what I need?

Optimize security, integrate emergency exits: with ePED and Hi-O Technology

Reliability, security, versatile functions and compliance with standards such as EN 13637 as a self-contained complete solution – ePED makes it possible!

In the event of emergency or panic, everyone is going to be in a major hurry – and it's situations like this that put the escape route management system to the test. Everything has to work flawlessly, and all components must interact with one another smoothly. effeff's new development ePED now enables all users to combine the electrically controlled emergency exit technology with the complex door system and its control technology via intelligent bus-based Hi-O Technology. ePED stands for electrically controlled Panic Exit Device. A real highlight is the ePED panic touch bar – a combination of locking mechanism and innovative operating concept which informs and guides the user based on the situation with its simple menu and intuitive display. Further advantages of ePED include delayed opening of the emergency exits as protection and useful functions such as fire protection technology and access control. Reliable release when the emergency switch is thrown in the event of a malfunction as well as information on maintenance, opening cycles and fault diagnostics are also of great benefit to the user.

Top functionality for many applications: Nursery schools, public institutions and event venues, dementia wards in nursing homes, clinics, public offices, production facilities, retail stores, shopping malls and more.

Competence which puts hazard management at ease:
ePED is technology, bus control and function all in one

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
- Each 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 and a guarantee that all system components are legally compliant complete the system's great number of advantages.

Locking elements:

- The escape route locking system is activated via ePED interface with latest Hi-O Technology
- All-round integration into the hazard management system
- Worth noting: the option of connecting up to 8 ePED interfaces per door
- The elements are as follows: Compact surface holding magnet 827 HA + magnetic contact, Surface holding magnet 828 + magnetic contact, escape door strikes 331 and 332.

ePED
Panic touch bar

ePED
Display door terminal

ePED
Door terminal

Features at a glance

Product	ePED panic touch bars	ePED display door terminal	ePED door terminal
Panic door lock	Yes	No	No
Suitable for panic doors	Yes	Yes	Yes
Suitable for emergency exits	Yes	Yes	Yes
Operation	Touch display	Touch display	Key
Authorisation	PIN code	PIN code/RFID	Key
Various authorisations	Yes	Yes	No
Situation-based user guidance information	Yes	Yes	No
Escape route sign	Integrated in touch display	Integrated in touch display	Separate
Down counter for time delay	Integrated in touch display	Integrated in touch display	Optional module
Configuration	Integrated touch display	Integrated touch display	Configuration display
Hi-O Technology	Yes	Yes	Yes
Safety functions via bus	Yes	Yes	Yes
Easy installation with only 4 wires	Yes	Yes	Yes
Networking	Gateway/Ethernet	Gateway/Ethernet	Gateway/Ethernet
Modular planning	Yes	Yes	Yes
Basic design	ePED panic touch bar	ePED display door terminal ePED locking system	ePED door terminal ePED locking system

Our strength lies in our specialist knowledge
Escape Route Technology from effeff

effeff – The technology leader

People must be able to leave a building quickly in the event of an emergency. However, building managers also want to protect their facilities from unauthorized access – to prevent theft, for instance. This leads to a conflict of objectives, between the need for safe evacuation and the requirement for protection against misuse. effeff offers several solutions which cater for both concerns.

Electrically controlled escape door systems enable doors along escape routes to be locked in the direction of escape. The goal is to achieve controlled exit management, protection against misuse and compliance with safety and supervisory requirements.

With the certification in accordance with the German guideline for electrical locking systems for doors along escape routes (EltVTR, Richtlinie über elektrische Verriegelungssysteme von Türen in Rettungswegen), they fulfil the building requirements in Germany and offer maximum security in dangerous situations. With the additional certification in accordance with DIN EN 13637:2015, the European requirements are fulfilled and new opportunities offered for a security concept in buildings.

It is important to note that all approval-relevant components like the triggering element, the control and the escape route locking system are listed in a joint approval. With DIN EN 13637:2015, this also includes mechanical escape door locking systems.

One new addition are the functions described in DIN EN 13637:2015, in particular the time-delayed release following emergency button actuation and the central escape route control that offers a reaction option for security personnel.

System solutions section

The system solutions section features the most frequently used applications and describes the solutions in detail.

Section on electric door locking systems along rescue routes

effeff's electric locking systems for doors along rescue routes are reliable solutions for here, the door is locked and can be released using an emergency button in the event of an emergency.

This additional operating unit also acts as a psychological deterrent against misuse. To ensure systems provide security, the effeff escape route securing systems are tested in compliance with the German guideline for electrical locking systems for doors along escape routes (EltVTR, Richtlinie über elektrische Verriegelungssysteme von Türen in Rettungswegen) and are also monitored.

The electronically controlled escape door system is also tested in accordance with DIN EN 13637:2015. The electronically controlled escape door system thus meets the Europe-wide requirements for electrical escape door protection.

The ePED generation of electrically controlled escape door systems covers the requirements of EltVTR and DIN EN 13637:2015. In delivered state, the products fulfil the requirements in accordance with EltVTR, i.e. German Building Law. The deviating new options of DIN EN 13637:2015, such as the time-delayed release following emergency button actuation, must be activated separately. This actuation is traceable at any time.

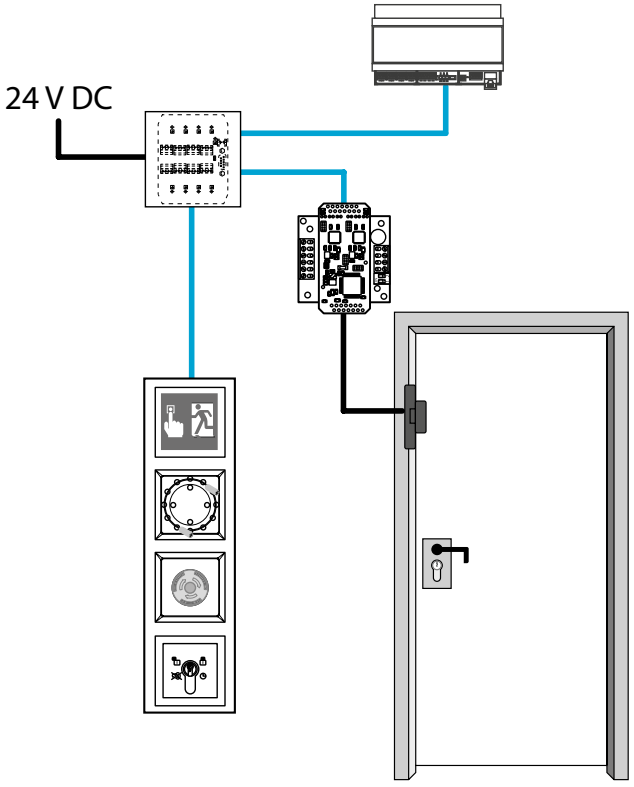
The security-relevant minimum release time of one minute after emergency button actuation is a new safety feature of DIN EN 13637:2015, which is already guaranteed by the ePED generation from effeff. This security-relevant minimum release time after actuation of the emergency button offers additional protection for people fleeing in case of danger.

Electrically controlled escape door systems must be approved by an expert prior to commissioning and checked for correct function at least once a year. This must be documented. We recommend the manufacturer-specific training offered by us here.

ePED technology
Escape Route Technology from effeff

The Hi-O bus enables a simple 4-wire wiring of the Hi-O components around the door. For complex requirements in particular, this modular concept makes planning and installation easier compared with conventional solutions. The bus installation also includes the safety-relevant functions of the emergency button and therefore removes the need for any additional wiring. The electrical safety functions are tested in accordance with DIN EN 61508 for functional safety of safety-related electrical/electronic/programmable electronic systems according to class SIL 2. This certifies the fail-safe functionality for the bus solution and the delayed release when the emergency button is actuated.

Hi-O door wiring



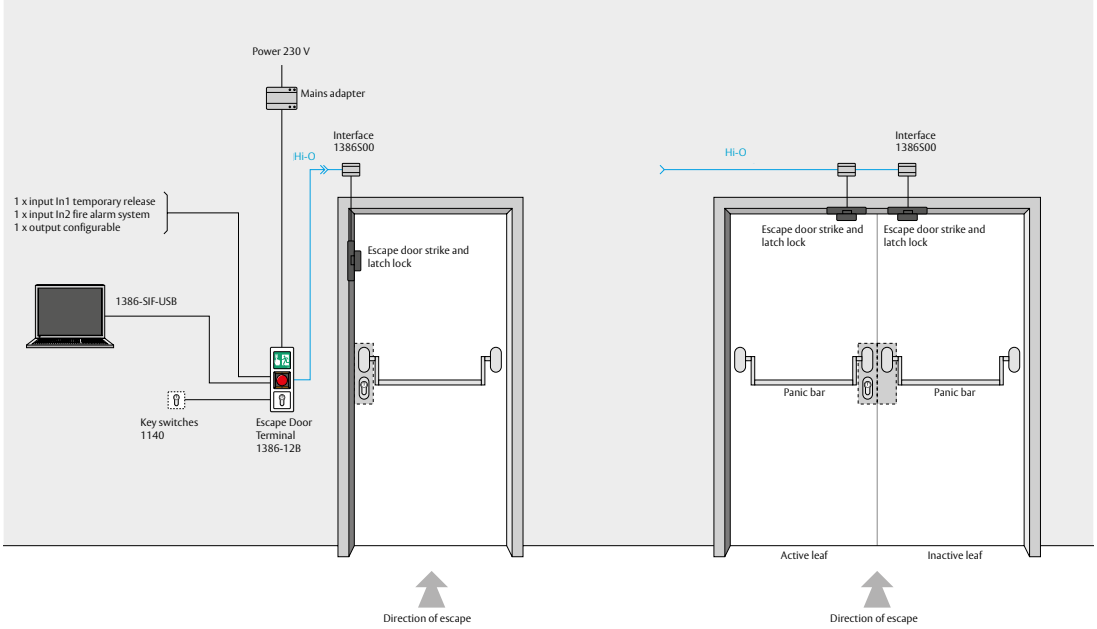
The Hi-O door wiring offers easier installation with conventional installation cables with a limited bus wiring with a maximum total length of 50 m and stub cable length of 10 m. Special cable are required for longer cable lengths. This is described in detail in the manual D01021 ePED® Hi-O Technology™ bus.

Bus addresses are allocated automatically. A manual entry via dip switch is not necessary. A maximum of 32 bus addresses are possible in a Hi-O system. It is important to note that devices or combinations of devices need several bus addresses.

Further details are available in the ePED Hi-O Technology installation manual D01021.

AP0001
Escape door locking device with authorised access using key

System overview:



Function:

Locking device in direction of escape
The door is also secured by an electric locking component (escape door strike or flat holding magnet) in the direction of escape.
The door can be released at any time using the emergency button, which also triggers an audible and optical alarm. After the alarm interval has elapsed, a guidance signal is emitted to make it easier to find the exit if thick smoke is emitted, for example. The alarm is deactivated using the key switch on the door terminal. The power supply for the electrically controlled escape door system takes place via a power supply in accordance with DIN EN 60950-1 SELV 24 V (+/-15 %).

Escape door lock
A panic lock in accordance with DIN EN 1125 or an emergency exit lock in accordance with DIN EN 179 is used depending on the application. A panic lock should preferably be used. For escape door systems in accordance with DIN EN 13637:2015, the test certificate and the permissible combination described there should be observed.

Authorised access using key
Authorised access in the direction of escape is gained using a key in the key switch integrated into the escape door control terminal. The key switch can also be used to set the door to permanent release, to re-lock and to deactivate the alarm.
The outer key switch is used to enter against the direction of escape.
The panic lock also needs to be unlocked.

Monitoring of the door release interval
The time that the door is open is monitored during temporary release. A reminder signal, also known as the pre-alarm, is emitted once the permitted interval is exceeded. If this signal is ignored, the door alarm will sound and remain active until the alarm is reset. The time intervals for temporary release, pre-alarm and door alarm can be set as required. If the door is closed again before the temporary release interval comes to an end, it is then automatically re-locked or secured.

Fire alarm system
An input is available on the ePED escape door terminal for connecting a fire alarm system. If the fire alarm system is activated, the escape door locking device is released and an alarm sounds. The alarm is automatically switched off and the door is locked again by resetting the fire alarm system. An alarm can be sent potential-free to other systems via the integrated relay output.

AP0001
Escape door locking device with authorised access using key

Electronic access control
The actuation via an EAC system takes place via an input on the ePED escape door terminal. When actuated, a temporary release is triggered.
In place of a key pushbutton, the authorised operation of the escape door system can take place via an EAC system. For this, the connection of the key switch for the pulse actuation is configured by an EAC system contact and the tripping contact of the access control is contacted instead of the key switch. There are two independent inputs available, where the actuation of the internal and external side can take place separately.

Optional
Further escape door locking elements can be connected via an additional ePED interface for lockings.
The ePED Hi-O IO interface for top-hat rails offers additional inputs and outputs for connection with external systems and devices.
The ePED Hi-O distribution aP acts as a central connection point for a structured Hi-O wiring. The Hi-O distributor has a supply terminal for the mains adapter of the system with max. 4A, a shear resistance for terminating and 8 plug-in screw terminals for connecting Hi-O cables.

EN 13637
Tested device combinations in accordance with DIN EN 13637:2015 see test certificate. National requirements, such as EltVTR in Germany, are also a prerequisite for use.

System components	Single-leaf door	Double-leaf door	Order code
ePED escape door terminals 24 V DC uP incl. illuminated sign as a set with ePED interface for lockings for installation	1x	1x	**1386-12B2--04S0***
ePED interface for locks for installation	-	1x	**1386S00UP----00**
Escape door strikes	1x	2x	**332.80 24 VDC**
Escape door strikes	•	•	**331U80 24 VDC**
Latch lock	1x	2x	**807**
Mains adapter 24 VDC, 1 A	1x	1x	**1003-24-1----10**
ePED Hi-O distribution aP	•	•	**901-stroke-01---00**
Escape door lock in accordance with DIN EN 1125 / DIN EN 179	According to the door situation and requirements. With DIN EN 13637:2015 systems, the test certificate must be observed.		

Accessories	Single-leaf door	Double-leaf door	Order code
ePED Hi-O IO interface for top-hat rail	•	•	**901-IO-20----00**

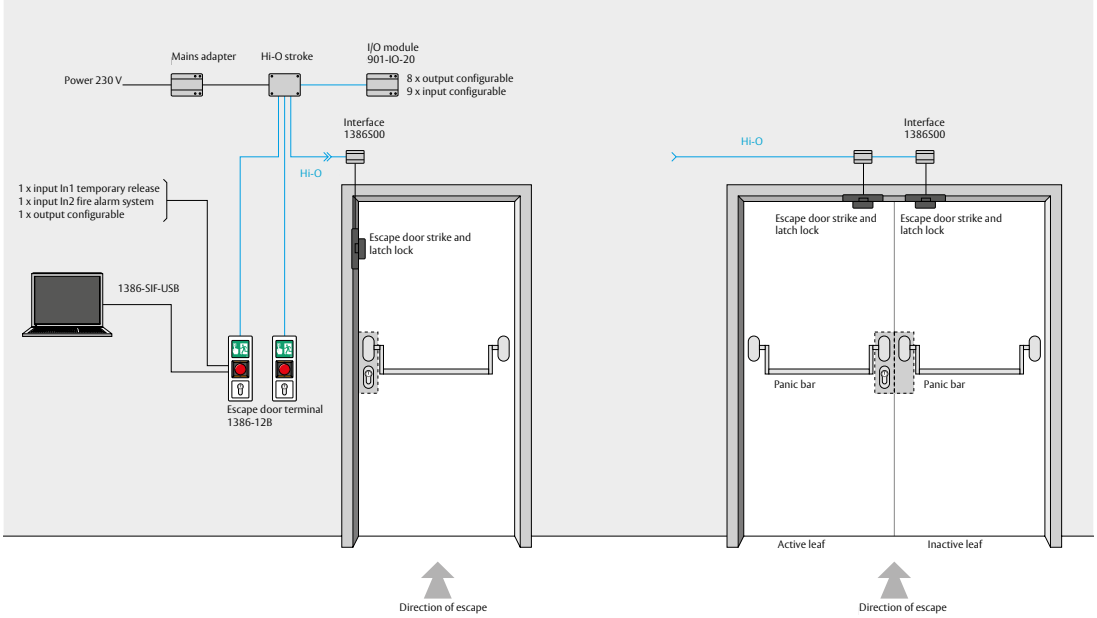
*For surfaces and versions, see variants in the product description.

• Optional

AP0003

Escape door locking device for doors with direction of escape from both sides (bidirectional escape route)

System overview:



Function:

Locking device in direction of escape

The door is also secured by an electric locking component (escape door strike or flat holding magnet) in the direction of escape.

The door can be released at any time using the emergency button, A door terminal is fitted to either side of the door. which also triggers an audible and optical alarm. After the alarm interval has elapsed, a guidance signal is emitted to make it easier to find the exit if thick smoke is emitted, for example. The alarm is deactivated using the key switch on the door terminal.

Please note that the door provides no protection against burglary due to the lock's panic function on both sides and because the door can be released using the emergency button.

The power supply for the electrically controlled escape door system takes place via a power supply in accordance with DIN EN 60950-1 SELV 24 V (+/-15 %).

Escape door lock A panic lock in accordance with DIN EN 1125 or an emergency exit lock in accordance with DIN EN 179 is used depending on the application.

A panic lock should preferably be used. For escape door systems in accordance with DIN EN 13637:2015, the test certificate and the permissible combination described there should be observed.

Authorised access using key

Authorised access in the direction of escape is gained using a key in the key switch integrated into the escape door control terminal. The key switch can also be used to set the door to permanent release, to re-lock and to deactivate the alarm.

The outer key switch is used to enter against the direction of escape.

The panic lock also needs to be unlocked.

Monitoring of the door release interval

The time that the door is open is monitored during temporary release. A reminder signal, also known as the pre-alarm, is emitted once the permitted interval is exceeded. If this signal is ignored, the door alarm will sound and remain active until the alarm is reset. The time intervals for temporary release, pre-alarm and door alarm can be set as required. If the door is closed again before the temporary release interval comes to an end, it is then automatically re-locked or secured.

Fire alarm system

An input is available on the ePED escape door terminal for connecting a fire alarm system. If the fire alarm system is activated, the escape door locking device is released and an alarm sounds. The alarm is automatically switched off and the door is locked again by resetting the fire alarm system. An alarm can be sent potential-free to other systems via the integrated relay output.

AP0003
Escape door locking device for doors with direction of escape from both sides (bidirectional escape route)

Electronic access control
The actuation via an EAC system takes place via an input on the ePED escape door terminal. When actuated, a temporary release is triggered.
In place of a key pushbutton, the authorised operation of the escape door system can take place via an EAC system. For this, the connection of the key switch for the pulse actuation is configured by an EAC system contact and the tripping contact of the access control is contacted instead of the key switch. There are two independent inputs available, where the actuation of the internal and external side can take place separately.

Optional
Further escape door locking elements can be connected via an additional ePED interface for lockings.
The ePED Hi-O IO interface for top-hat rails offers additional inputs and outputs for connection with external systems and devices.
The ePED Hi-O distribution aP acts as a central connection point for a structured Hi-O wiring. The Hi-O distributor has a supply terminal for the mains adapter of the system with max. 4A, a shear resistance for terminating and 8 plug-in screw terminals for connecting Hi-O cables.

EN 13637
Tested device combinations in accordance with DIN EN 13637:2015 see test certificate. National requirements, such as EltVTR in Germany, are also a prerequisite for use.

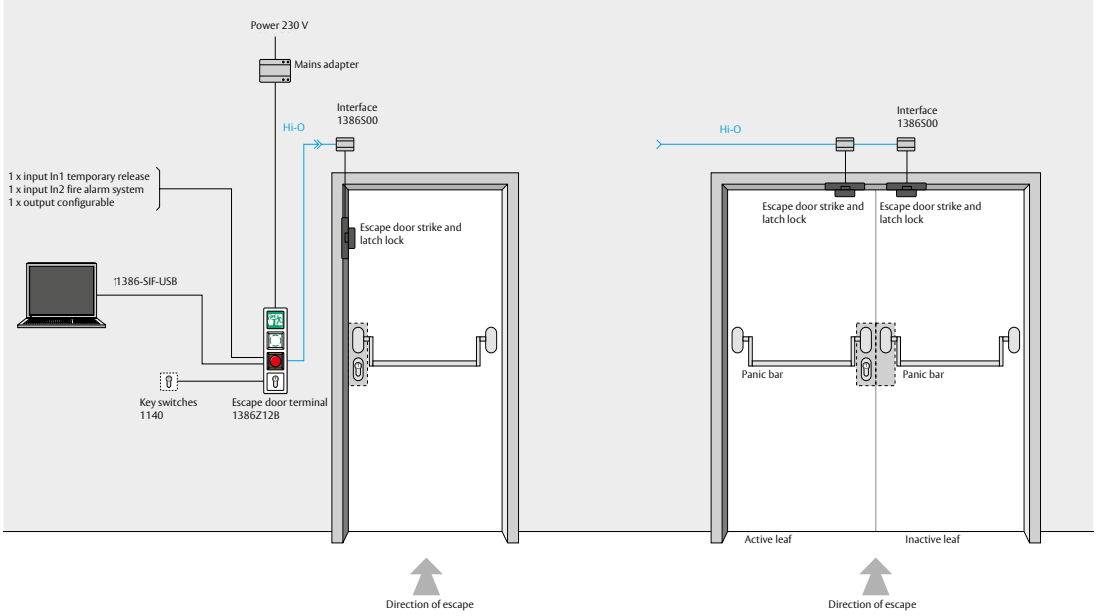
System components	Single-leaf door	Double-leaf door	Order code
ePED escape door terminals 24 V DC uP incl. illuminated sign as a set with ePED interface for lockings for installation	1x	1x	**1386-12B2--04S0***
ePED escape door terminals 24 V DC uP incl. illuminated sign	1x	1x	**1386-12B2--0400***
ePED interface for locks for installation	-	1x	**1386S00UP----00**
Escape door strikes	1x	1x	**332.80 24 VDC**
Escape door strikes	•	•	**331U80 24 VDC**
Latch lock	1x	1x	**807**
Magnetic contact		1x	
Mains adapter 24 VDC, 1 A	1x	1x	**1003-24-1----10**
ePED Hi-O distribution AP	•	•	**901-stroke-01---00**
Escape door lock in accordance with DIN EN 1125 / DIN EN 179	According to the door situation and requirements. With DIN EN 13637:2015 systems, the test certificate must be observed.		

Accessories	Single-leaf door	Double-leaf door	Order code
ePED Hi-O IO-interface for top-hat rail	•	•	**901-IO-20----00**

* For design versions, see product description.
• Optional

AP0002
Application with time delay
Escape door locking with time delay t1 and authorised access via key

System overview:



Function:

Locking device in direction
of escape The door is also secured by an electric locking component (escape door strike or flat holding magnet) in the direction of escape.
The door can be released at any time using the emergency button. This starts the time delay of max. 15 seconds to release and the alarm is triggered and indicated visually and acoustically. Once the time has elapsed, the electric escape door locking system is released automatically and the door can be accessed. The delayed release gives supervisory or security personnel a reaction time, thus enabling them to act accordingly. After the alarm interval has elapsed, a guidance signal is emitted to make it easier to find the exit if thick smoke is emitted, for example. The alarm is deactivated using the key switch on the door terminal. The power supply for the electrically controlled escape door system takes place via a power supply in accordance with DIN EN 60950-1 SELV 24 V (+/-15 %).
Note: The use of a delayed release in escape routes requires approval by the responsible inspection authority.

Escape door lock
A panic lock in accordance with DIN EN 1125 or an emergency exit lock in accordance with DIN EN 179 is used depending on the application. A panic lock should preferably be used. For escape door systems in accordance with DIN EN 13637:2015, the test certificate and the permissible combination described there should be observed.

Authorised access using key
Authorised access in the direction of escape is gained using a key in the key switch integrated into the escape door control terminal. The key switch can also be used to set the door to permanent release, to re-lock and to deactivate the alarm.
The outer key switch is used to enter against the direction of escape.
The panic lock also needs to be unlocked.

Monitoring of the door release interval
The time that the door is open is monitored during temporary release. A reminder signal, also known as the pre-alarm, is emitted once the permitted interval is exceeded. If this signal is ignored, the door alarm will sound and remain active until the alarm is reset. The time intervals for temporary release, pre-alarm and door alarm can be set as required. If the door is closed again before the temporary release interval comes to an end, it is then automatically re-locked or secured.

Fire alarm system
An input is available on the ePED escape door terminal for connecting a fire alarm system. If the fire alarm system is activated, the escape door locking device is released and an alarm sounds. The alarm is auto-

AP0002
Application with time delay
Escape door locking with time delay t1 and authorised access via key

matically switched off and the door is locked again by resetting the fire alarm system. An alarm can be sent potential-free to other systems via the integrated relay output.

Electronic access control
The actuation via an EAC system takes place via an input on the ePED escape door terminal. When actuated, a temporary release is triggered.
In place of a key pushbutton, the authorised operation of the escape door system can take place via an EAC system. For this, the connection of the key switch for the pulse actuation is configured by an EAC system contact and the tripping contact of the access control is contacted instead of the key switch. There are two independent inputs available, where the actuation of the internal and external side can take place separately.

Optional
Further escape door locking elements can be connected via an additional ePED interface for lockings.
The ePED Hi-O IO interface for top-hat rails offers 9 additional inputs and 8 additional outputs for connection with external systems and devices.
The ePED Hi-O distribution aP acts as a central connection point for a structured Hi-O wiring. The Hi-O distributor has a supply terminal for the mains adapter of the system with max. 4A, a shear resistance for terminating and 8 plug-in screw terminals for connecting Hi-O cables.

EN 13637
Tested device combinations in accordance with DIN EN 13637:2015 see test certificate. National requirements, such as EltVTR in Germany, are also a prerequisite for use.

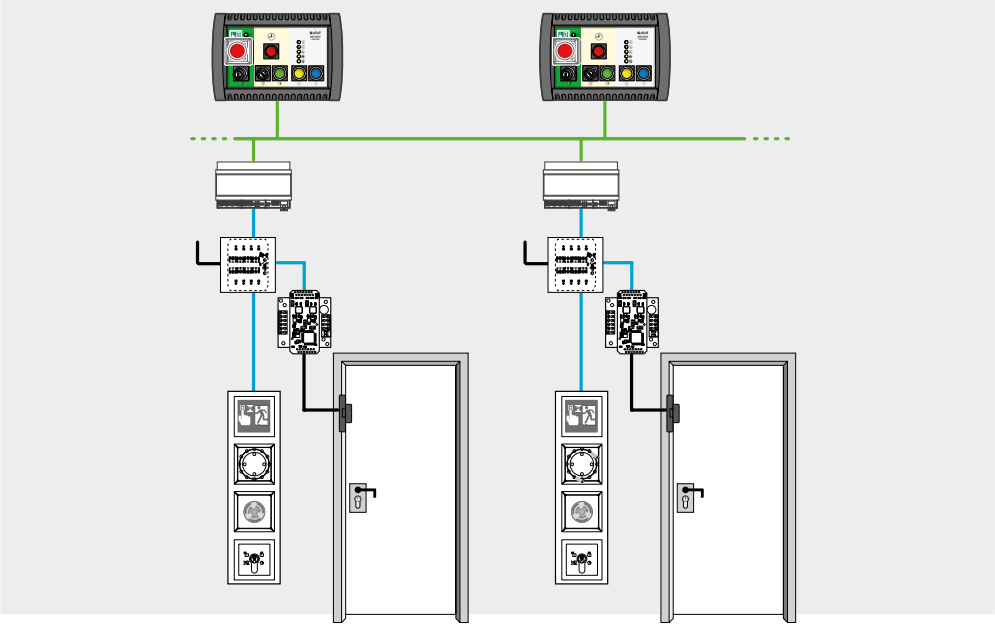
System components	Single-leaf door	Double-leaf door	Order code
ePED escape door terminals 24 V DC uP for time delay and illuminated sign as a set with ePED interface for lockings for installation	1x	1x	**1386Z12B2--04S0**
ePED interface for locks for installation	1x	1x	**1386S00UP----00**
Escape door strikes	-	1x	**332.80 24 VDC**
Escape door strikes	1x	1x	**331U80 24 VDC**
Latch lock	•	•	**807**
Mains adapter 24 VDC, 1 A	1x	1x	**1003-24-1----10**
ePED Hi-O distribution AP		1x	**901-stroke-01---00**
Escape door lock in accordance with DIN EN 1125 / DIN EN 179	1x	1x	**1003-24-1----10**
ePED Hi-O distribution AP	•	•	**901-stroke-01---00**
Escape door lock in accordance with DIN EN 1125 / DIN EN 179	According to the door situation and requirements. With DIN EN 13637:2015 systems, the test certificate must be observed.		

Accessories	Single-leaf door	Double-leaf door	Order code
ePED Hi-O IO interface for top-hat rail	•	•	**901-IO-20----00**

* For design versions, see product description.
• Optional

AP0004
Application with time delay and central escape route control
Escape door locking with time delay t2 and authorised access via key

System overview:



Function:

The central escape route control supplements the door-based electrically controlled escape door system with a central universal-door operating and control unit. This enables extended monitoring of the escape routes in the contents with the security concept of the building.

The ePED® central escape route control system 1386CMC is a central operating panel with which authorised persons monitor and operate the electrically-controlled escape-door system, including the double release delay.

The escape door system is equipped with ePED® escape route technology. The Ethernet connection is established with an ePED® CMC Connector 1386CMC-CON on every escape door (manual D01118xx ePED CMC Connector 1386CMC-CON), with the following applicable limits:
a central escape route control 1386CMC can control a maximum of 128 escape doors via 128 CMC connectors 1386CMC-CON, and
one escape door can be controlled by no more than 32 1386CMC central escape route control systems via a 1386CMC-CON CMC connector.

Note:
The use of a delayed release in escape routes requires approval by the responsible inspection authority.

Emergency button for central release

With the emergency button for central release, all escape doors of the building or escape door groups are released from one or several central points in an emergency or panic situation.
The central points are manned by security personnel. An emergency button can be manned by anyone in the security personnel rooms.

Extended time delay t2

Escape door terminals are located on the escape doors with time delay with a red emergency button. If an emergency button is actuated, the terminal for the relevant escape door reports a release request to the central escape route control.
If a release request is triggered on one or multiple escape doors, the release delay is initially 15 seconds (t1). The escape doors remain locked during this time. This is reported to the central escape route control via a visual and an acoustic signal.
The double release delay extends a triggered release delay from 15 to a maximum of 180 seconds (t2). The release delay can be extended from one or several central escape route controls by authorised security personnel during release delay t1.
If the emergency buttons on several doors were actuated at the same time, the release delay is extended on all relevant escape doors. If more emergency buttons are then actuated, another notification takes place and the release delay can also be extended for these escape doors.

AP0004

Application with time delay and central escape route control
Escape door locking with time delay t2 and authorised access via key

To assess the situation, the security personnel must be able to view all relevant escape doors directly or via video monitoring. An extension of the release delay without being able to see the escape doors is not permitted.
Depending on the configuration, the initial release delay may be less than 15 seconds and the extended release time may be less than 180 seconds.

Status display
The status of all escape doors or groups is shown on the operating panel of the central escape route control. This is a summarised display of all escape doors, alarm and fault messages.

EN 13637
Tested device combinations in accordance with DIN EN 13637:2015 see test certificate. National requirements, such as EltVTR in Germany, are also a prerequisite for use.

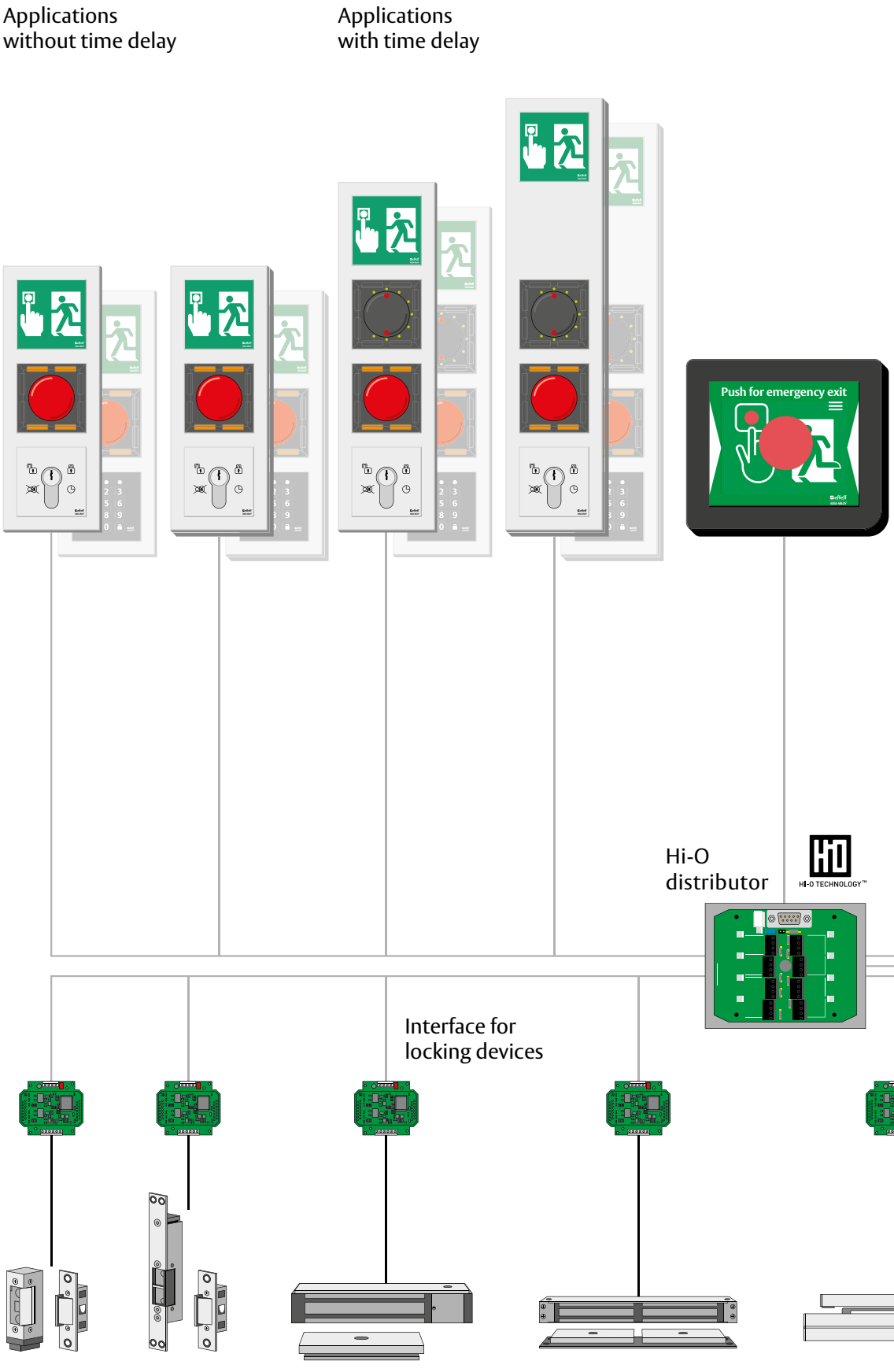
System components	Single-leaf door	Double-leaf door	Order code
ePED escape door terminals 24 V DC uP for time delay and illuminated sign as a set with ePED interface for lockings for installation	1x	1x	**1386Z12B2--04S0**
ePED interface for locks for installation	-	1x	**1386S00UP----00**
Escape door strikes	1x	2x	**332.80 24 VDC**
Escape door strikes	•	•	**331U80 24 VDC**
Latch lock	1x	2x	**807**
Mains adapter 24 VDC, 1 A	1x	1x	**1003-24-2----10**
ePED Hi-O distribution AP	•	•	**901-stroke-01---00**
Escape door lock in accordance with DIN EN 1125 / DIN EN 179	According to the door situation and requirements. With DIN EN 13637:2015 systems, the test certificate must be observed.		
ePED® CMC Connector Ethernet	1x	1x	**1386CMC-CON--00**

Accessories	Single-leaf door	Double-leaf door	Order code
ePED Hi-O IO interface for top-hat rail	•	•	**901-IO-20----00**
ePED® central escape route control (CMC) **- in the combined wall / desktop enclosure** **- for control panel installation** **- in the 19" sub-rack**	**1x** • •		**1386CMC-3-34200** **1386CMC-1-34200** **1386CMC-5-38400**
Emergency power supply with two battery packs in the steel housing with top-hat rail	**1x**		**1006-24030SG-00**

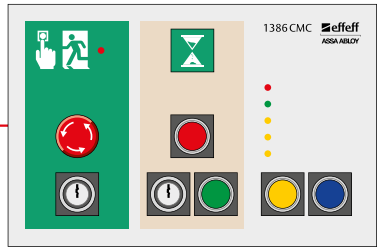
* For design versions, see product description.
• Optional

System overview

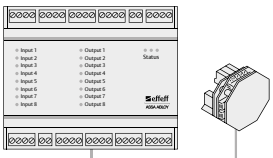
Currently, device combinations are still being tested.
Please enquire about the current status of approval.



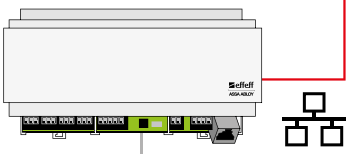
ePED central escape route control (CMC)



Hi-O IO Interface

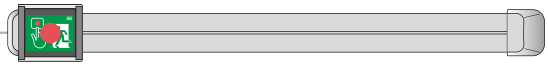


ePED CMC connector



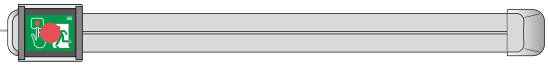
ePED Door connector

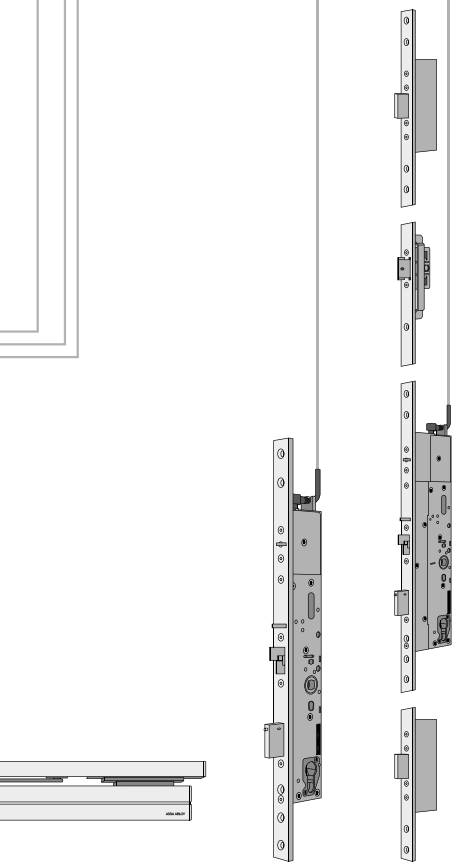
Controlled push bar with display terminal



Controlled push bar

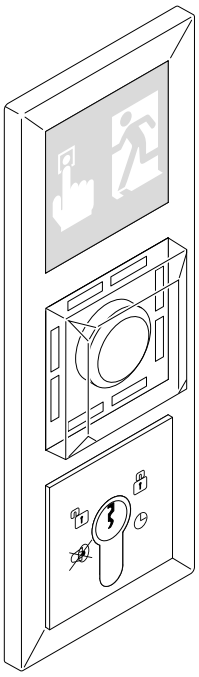
Push bar with emergency switch function





ePED® Escape door terminal in switch design

ePED® escape door terminal 24 V DC, flush-mounted with illuminated pictogram



ePED® terminal, flush-mounted with illuminated pictogram

For use without time delay, with 4-wire bus cabling in Hi-O technology.
With emergency open module for the control and monitoring of electrical locking elements for escape routes.
For mounting in DIN switch boxes for light switch systems with manufacturer-specific covers and frames.
Consists of:

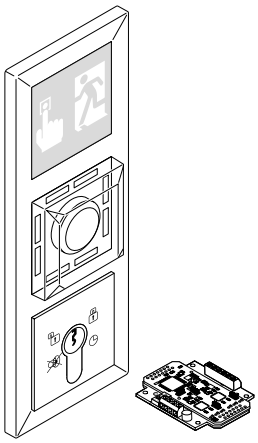
- illuminated pictogram;
- emergency open module;
- key switch module

Technical attributes	
Required power supply	in accordance with DIN EN 60950-1 SELV 24 V (+/-15 %)
Outputs	1 x 30 V / 1 A switchover contact
Control function	Yes, Hi-O technology
Operating and display function	Yes, integrated
Power supply	External power supply required
Connection	4-wire bus
Time delay	No
Illuminated pictogram	Yes
Down Counter	No
Emergency button	Yes, latching
Control element	Key switch with Euro profile cylinder; cam position 8 x 45°; 30.5 mm long
Initial configuration	With ePED® service interface and software for MS Windows
Operating temperature range	-10 °C – +55 °C
Area of application	For use in indoor areas
Class of protection	IP30 (if fully installed)
Installation	in DIN switch boxes >= 62.5 mm deep
Dimension	3 gang switch combination
Sabotage switch	Yes
Inputs	2
Amount of bus addresses	2
Key switch on opposite side to direction of escape	Yes (without display)
Escape door terminal with bi-directional escape route	Yes
Certified in compliance with	EltVTR; DIN EN 13637:2015

Article / Feature	Order no.
Jung AS500 - alpine white	1386-12B1--0400
Jung AS500; green	1386-12B1--1800
Jung LS 990 - alpine white	1386-12B6--0400
Jung LS 990 - stainless steel	1386-12B63535000
Gira E2 - gloss pure white	1386-12B2--0400
Gira E2 – aluminium finish	1386-12B2--3500
Gira Standard 55 - glossy, pure white	1386-12B3--0400
Gira Stainless Steel Series 21	1386-12B53535000

ePED® Escape door terminal in switch design

ePED® escape door terminal 24 V DC, flush-mounted with illuminated pictogram



ePED® terminal, flush-mounted with illuminated pictogram included 1386S00UP

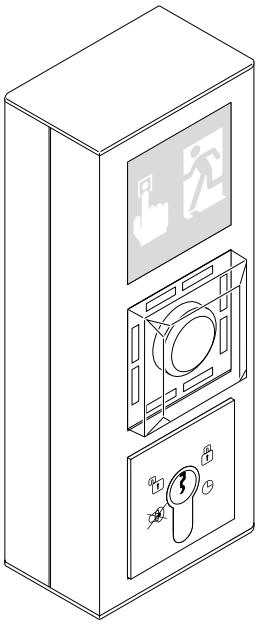
For use without time delay, with 4-wire bus cabling in Hi-O technology.
With emergency open module for the control and monitoring of electrical locking elements for escape routes.
For mounting in DIN switch boxes for light switch systems with manufacturer-specific covers and frames.
Consists of:
· illuminated pictogram;
· emergency open module;
· key switch module
With ePED® interface for locks for installation in distribution boxes

Technical attributes	
Required power supply	in accordance with DIN EN 60950-1 SELV 24 V (+/-15 %)
Inputs	2
Outputs	1 x 30 V / 1 A switchover contact
Control function	Yes, Hi-O technology
Operating and display function	Yes, integrated
Power supply	External power supply required
Connection	4-wire bus
Time delay	No
Illuminated pictogram	Yes
Down Counter	No
Emergency button	Yes, latching
Control element	Key switch with Euro profile cylinder; cam position 8 x 45°; 30.5 mm long
Initial configuration	With ePED® service interface and software for MS Windows
Operating temperature range	-10 °C – +55 °C
Area of application	For use in indoor areas
Class of protection	IP30 (if fully installed)
Installation	in DIN switch boxes >= 62.5 mm deep
Dimension	3 gang switch combination
Sabotage switch	Yes
Amount of bus addresses	3
Key switch on opposite side to direction of escape	Yes (without display)
Escape door terminal with bi-directional escape route	Yes
Certified in compliance with	EltVTR; DIN EN 13637:2015

Article / Feature	Order no.
Jung AS500 - alpine white; incl. 1386S00UP	**1386-12B1--04S0**
Jung AS500 - green; incl. 1386S00UP	**1386-12B1--18S0**
Jung LS 990 - alpine white; incl. 1386S00UP	**1386-12B6--04S0**
Jung LS 990 - stainless steel; incl. 1386S00UP	**1386-12B635535S0**
Gira E2 - gloss pure white; incl. 1386S00UP	**1386-12B2--04S0**
Gira E2 – aluminum finish; incl. 1386S00UP	**1386-12B2--35S0**
Gira standard 55 - gloss pure white; incl. 1386S00UP	**1386-12B3--04S0**
Gira stainless steel Series 21; incl. 1386S00UP	**1386-12B535535S0**

ePED® Escape door terminal in switch design

ePED® escape door terminal 24 V DC, surface-mounted with illuminated pictogram



ePED® terminal, surface-mounted with illuminated pictogram

For use without time delay, with 4-wire bus cabling in Hi-O technology.
With emergency open module for the control and monitoring of electrical locking elements for escape routes.
For surface mounting with manufacturer-specific covers and housing.
Consists of:

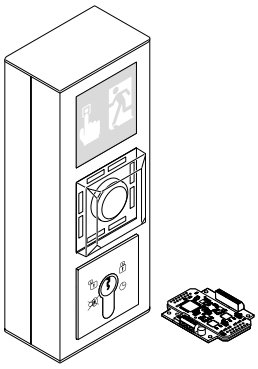
- illuminated pictogram;
- emergency open module;
- key switch module

Technical attributes	
Required power supply	in accordance with DIN EN 60950-1 SELV 24 V (+/-15 %)
Inputs	2
Outputs	1 x 30 V / 1 A switchover contact
Control function	Yes, Hi-O technology
Operating and display function	Yes, integrated
Connection	4-wire bus
Time delay	No
Illuminated pictogram	Yes
Down Counter	No
Emergency button	Yes, latching
Control element	Key switch with Euro profile cylinder; cam position 8 x 45°; 30.5 mm long
Initial configuration	With ePED® service interface and software for MS Windows
Operating temperature range	-10 °C – +55 °C
Area of application	For use in indoor areas
Class of protection	IP30 (if fully installed)
Installation	Surface fitting
Dimension	3 gang housing
Sabotage switch	Yes
Amount of bus addresses	2
Key switch on opposite side to direction of escape	Yes (without display)
Escape door terminal with bi-directional escape route	Yes
Certified in compliance with	EltVTR; DIN EN 13637:2015

Article / Feature	Order no.
Gira profile 55 - pure white	**1386-12B7--0400**
Gira profile 55 - aluminum finish	**1386-12B7--3500**

ePED® Escape door terminal in switch design

ePED® escape door terminal 24 V DC, surface-mounted with illuminated pictogram



ePED® terminal, surface-mounted with illuminated pictogram, included 1386S00UP

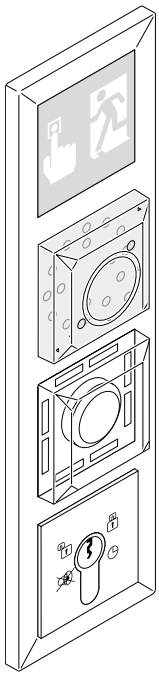
For use without time delay, with 4-wire bus cabling in Hi-O technology.
With emergency open module for the control and monitoring of electrical locking elements for escape routes.
For surface mounting with manufacturer-specific covers and housing.
Consists of:
· illuminated pictogram;
· emergency open module;
· key switch module
With ePED® interface for locks for installation in distribution boxes

Technical attributes	
Required power supply	in accordance with DIN EN 60950-1 SELV 24 V (+/-15 %)
Inputs	2
Outputs	1 x 30 V / 1 A switchover contact
Control function	Yes, Hi-O technology
Operating and display function	Yes, integrated
Connection	4-wire bus
Time delay	No
Illuminated pictogram	Yes
Down Counter	No
Emergency button	Yes, latching
Control element	Key switch with Euro profile cylinder; cam position 8 x 45°; 30.5 mm long
Initial configuration	With ePED® service interface and software for MS Windows
Operating temperature range	-10 °C – +55 °C
Area of application	For use in indoor areas
Class of protection	IP30 (if fully installed)
Installation	Surface fitting
Dimension	3 gang housing
Sabotage switch	Yes
Amount of bus addresses	3
Key switch on opposite side to direction of escape	Yes (without display)
Escape door terminal with bi-directional escape route	Yes
Certified in compliance with	EltVTR; DIN EN 13637:2015

Article / Feature	Order no.
Gira profile 55 - pure white; incl. 1386S00UP	**1386-12B7--04S0**
Gira profile 55 - aluminum finish; incl. 1386S00UP	**1386-12B7--35S0**

ePED® Escape door terminal in switch design

ePED® escape door terminal 24 V DC, flush-mounted for time delay and illuminated pictogram



ePED® terminal, flush-mounted with time delay and illuminated pictogram

For use with time delay, with 4-wire bus cabling in Hi-O technology.
With emergency open module for the control and monitoring of electrical locking elements for escape routes.
The time delay deviating from this is checked as per the requirements of DIN EN 13637:2015 (electrically controlled exit systems for use on escape routes) as per EN 61508 Safety Integrity Level 2 (SIL2).
Time delay applications are subject to local Building Regulations. Additional permissions may be reqired.
For mounting in DIN switch boxes for light switch systems with manufacturer-specific covers and frames.
Consists of:

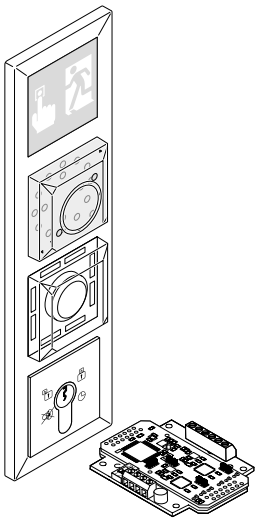
- illuminated pictogram;
- display release delay;
- emergency open module;
- key switch module

Technical attributes	
Required power supply	in accordance with DIN EN 60950-1 SELV 24 V (+/-15 %)
Inputs	2
Outputs	1 x 30 V / 1 A switchover contact
Control function	Yes, Hi-O technology
Operating and display function	Yes, integrated
Connection	4-wire bus
Time delay	Yes
Illuminated pictogram	Yes
Down Counter	Yes
Emergency button	Yes, latching
Control element	Key switch with Euro profile cylinder; cam position 8 x 45°; 30.5 mm long
Initial configuration	With ePED® service interface and software for MS Windows
Operating temperature range	-10 °C – +55 °C
Area of application	For use in indoor areas
Class of protection	IP30 (if fully installed)
Installation	in DIN switch boxes >= 62.5 mm deep
Dimension	4 gang switch combination
Sabotage switch	Yes
Amount of bus addresses	3
Key switch on opposite side to direction of escape	Yes (without display)
Escape door terminal with bi-directional escape route	Yes
Certified in compliance with	EltVTR; DIN EN 13637:2015

Article / Feature	Order no.
Jung AS500 - alpine white	1 3 8 6 Z 1 2 B 1 - - 0 4 0 0
Jung AS500; green	1 3 8 6 Z 1 2 B 1 - - 1 8 0 0
Jung LS 990 - alpine white	1 3 8 6 Z 1 2 B 6 - - 0 4 0 0
Jung LS 990 - stainless steel	1 3 8 6 Z 1 2 B 6 3 5 3 5 0 0
Gira E2 - gloss pure white	1 3 8 6 Z 1 2 B 2 - - 0 4 0 0
Gira E2 – aluminium finish	1 3 8 6 Z 1 2 B 2 - - 3 5 0 0
Gira Standard 55 - glossy, pure white	1 3 8 6 Z 1 2 B 3 - - 0 4 0 0
Gira Stainless Steel Series 21	1 3 8 6 Z 1 2 B 5 3 5 3 5 0 0

ePED® Escape door terminal in switch design

ePED® escape door terminal 24 V DC, flush-mounted for time delay and illuminated pictogram



ePED® terminal, flush-mounted with time delay and illuminated pictogram included 1386S00UP

For use with time delay, with 4-wire bus cabling in Hi-O technology.

With emergency open module for the control and monitoring of electrical locking elements for escape routes.

The time delay deviating from this is checked as per the requirements of DIN EN 13637:2015 (electrically controlled exit systems for use on escape routes) as per EN 61508 Safety Integrity Level 2 (SIL2).

Time delay applications are subject to local Building Regulations. Additional permissions may be reqired.

For mounting in DIN switch boxes for light switch systems with manufacturer-specific covers and frames.

Consists of:

- illuminated pictogram;
- display release delay;
- emergency open module;
- key switch module

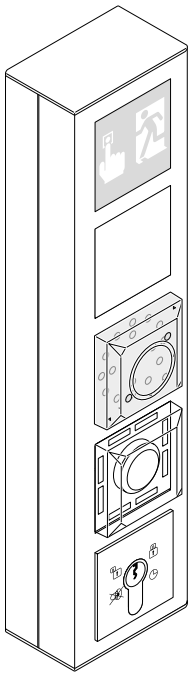
With ePED® interface for locks for installation in distribution boxes

Technical attributes	
Required power supply	in accordance with DIN EN 60950-1 SELV 24 V (+/-15 %)
Inputs	2
Outputs	1 x 30 V / 1 A switchover contact
Control function	Yes, Hi-O technology
Operating and display function	Yes, integrated
Connection	4-wire bus
Time delay	Yes
Illuminated pictogram	Yes
Down Counter	Yes
Emergency button	Yes, latching
Control element	Key switch with Euro profile cylinder; cam position 8 x 45°; 30.5 mm long
Initial configuration	With ePED® service interface and software for MS Windows
Operating temperature range	-10 °C – +55 °C
Area of application	For use in indoor areas
Class of protection	IP30 (if fully installed)
Installation	in DIN switch boxes >= 62.5 mm deep
Dimension	4 gang switch combination
Sabotage switch	Yes
Amount of bus addresses	4
Key switch on opposite side to direction of escape	Yes (without display)
Escape door terminal with bi-directional escape route	Yes
Certified in compliance with	EltVTR; DIN EN 13637:2015

Article / Feature	Order no.
	1386Z12B1--04S0
Jung AS500 - green; incl. 1386S00UP	**1386Z12B1--18S0**
Jung LS 990 - alpine white; incl. 1386S00UP	**1386Z12B6--04S0**
Jung LS 990 - stainless steel; incl. 1386S00UP	**1386Z12B63535S0**
Gira E2 - gloss pure white; incl. 1386S00UP	**1386Z12B2--04S0**
Gira E2 – aluminum finish; incl. 1386S00UP	**1386Z12B2--35S0**
Gira standard 55 - gloss pure white; incl. 1386S00UP	**1386Z12B3--04S0**
Gira stainless steel Series 21; incl. 1386S00UP	**1386Z12B53535S0**

ePED® Escape door terminal in switch design

ePED® escape door terminal 24 V DC, surface-mounted for time delay and illuminated pictogram



ePED® terminal, surface-mounted with time delay and illuminated pictogram

For use with time delay, with 4-wire bus cabling in Hi-O technology.
With emergency open module for the control and monitoring of electrical locking elements for escape routes.
The time delay deviating from this is checked as per the requirements of DIN EN 13637:2015 (electrically controlled exit systems for use on escape routes) as per EN 61508 Safety Integrity Level 2 (SIL2).
Time delay applications are subject to local Building Regulations. Additional permissions may be reqired.
For surface mounting with manufacturer-specific covers and housing.
Consists of:

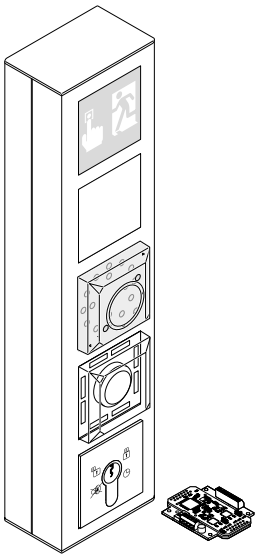
- illuminated pictogram;
- central cover;
- display release delay;
- emergency open module;
- key switch module

Technical attributes	
Required power supply	in accordance with DIN EN 60950-1 SELV 24 V (+/-15 %)
Inputs	2
Outputs	1 x 30 V / 1 A switchover contact
Control function	Yes, Hi-O technology
Operating and display function	Yes, integrated
Connection	4-wire bus
Time delay	Yes
Illuminated pictogram	Yes
Down Counter	Yes
Emergency button	Yes, latching
Control element	Key switch with Euro profile cylinder; cam position 8 x 45°; 30.5 mm long
Initial configuration	With ePED® service interface and software for MS Windows
Operating temperature range	-10 °C – +55 °C
Area of application	For use in indoor areas
Class of protection	IP30 (if fully installed)
Installation	Surface fitting
Dimension	5 gang housing
Sabotage switch	Yes
Amount of bus addresses	3
Key switch on opposite side to direction of escape	Yes (without display)
Escape door terminal with bi-directional escape route	Yes
Certified in compliance with	EltVTR; DIN EN 13637:2015

Article / Feature	Order no.
Gira profile 55 - pure white	1386Z12B7--0400
Gira profile 55 - aluminum finish	1386Z12B7--3500

ePED® Escape door terminal in switch design

ePED® escape door terminal 24 V DC, surface-mounted for time delay and illuminated pictogram



ePED® terminal, surface-mounted with time delay and illuminated pictogram included 1386S00UP

For use with time delay, with 4-wire bus cabling in Hi-O technology.

With emergency open module for the control and monitoring of electrical locking elements for escape routes.

The time delay deviating from this is checked as per the requirements of DIN EN 13637:2015 (electrically controlled exit systems for use on escape routes) as per EN 61508 Safety Integrity Level 2 (SIL2).

Time delay applications are subject to local Building Regulations. Additional permissions may be reqired.

For surface mounting with manufacturer-specific covers and housing.

Consists of:

- illuminated pictogram;
- central cover;
- display release delay;
- emergency open module;
- key switch module

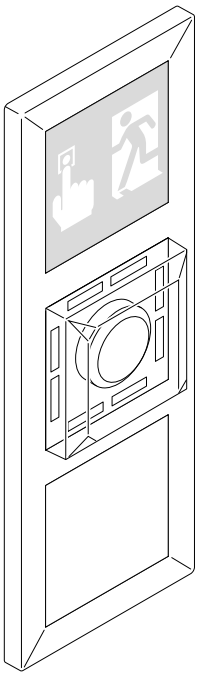
With ePED® interface for locks for installation in distribution boxes

Technical attributes	
Required power supply	in accordance with DIN EN 60950-1 SELV 24 V (+/-15 %)
Inputs	2
Outputs	1 x 30 V / 1 A switchover contact
Control function	Yes, Hi-O technology
Operating and display function	Yes, integrated
Connection	4-wire bus
Time delay	Yes
Illuminated pictogram	Yes
Down Counter	Yes
Emergency button	Yes, latching
Control element	Key switch with Euro profile cylinder; cam position 8 x 45°; 30.5 mm long
Initial configuration	With ePED® service interface and software for MS Windows
Operating temperature range	-10 °C – +55 °C
Area of application	For use in indoor areas
Class of protection	IP30 (if fully installed)
Installation	Surface fitting
Dimension	5 gang housing
Sabotage switch	Yes
Amount of bus addresses	4
Key switch on opposite side to direction of escape	Yes (without display)
Escape door terminal with bi-directional escape route	Yes
Certified in compliance with	EltVTR; DIN EN 13637:2015

Article / Feature	Order no.
Gira profile 55 - pure white; incl. 1386S00UP	1386Z12B7--04S0
Gira profile 55 - aluminum finish; incl. 1386S00UP	1386Z12B7--35S0

ePED® escape door terminal in switch design for access control system

ePED® escape door terminal 24 V DC, flush-mounted with illuminated pictogram



ePED® terminal, flush-mounted with illuminated pictogram

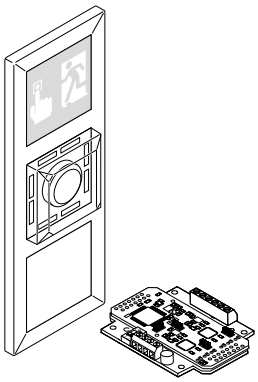
For use without time delay, with 4-wire bus cabling in Hi-O technology.
With emergency open module for the control and monitoring of electrical locking elements for escape routes.
Prepared for external AC system.
With empty position for integration of e.g. a RFID reader of an external AC system.
Connection to door terminal via: SYSCON-5 connection cable
For mounting in DIN switch boxes for light switch systems with manufacturer-specific covers and frames.
Consists of:
· illuminated pictogram;
· emergency open module;
· empty position for accepting a RFID reader

Technical attributes	
Required power supply	in accordance with DIN EN 60950-1 SELV 24 V (+/-15 %)
Inputs	2
Outputs	1 x 30 V / 1 A switchover contact
Control function	Yes, Hi-O technology
Operating and display function	Yes
Power supply	External power supply required
Connection	4-wire bus
Time delay	No
Illuminated pictogram	Yes
Down Counter	No
Emergency button	Yes, latching
Control element	Via external AC system
Initial configuration	With ePED® service interface and software for MS Windows
Operating temperature range	-10 °C – +55 °C
Area of application	For use in indoor areas
Class of protection	IP30 (if fully installed)
Installation	in DIN switch boxes >= 62.5 mm deep
Dimension	3 gang switch combination
Sabotage switch	Yes
Amount of bus addresses	2
Escape door terminal with bi-directional escape route	Yes
Certified in compliance with	EltVTR; DIN EN 13637:2015

Article / Feature	Order no.
Jung AS500 - alpine white	1386-1LB1--0400
Jung AS500; green	1386-1LB1--1800
Jung LS 990 - alpine white	1386-1LB6--0400
Jung LS 990 - stainless steel	1386-1LB6353500
Gira E2 - gloss pure white	1386-1LB2--0400
Gira E2 – aluminium finish	1386-1LB2--3500
Gira Standard 55 - glossy, pure white	1386-1LB3--0400
Gira Stainless Steel Series 21	1386-1LB5353500

ePED® escape door terminal in switch design for access control system

ePED® escape door terminal 24 V DC, flush-mounted with illuminated pictogram



ePED® terminal, flush-mounted with illuminated pictogram included 1386S00UP

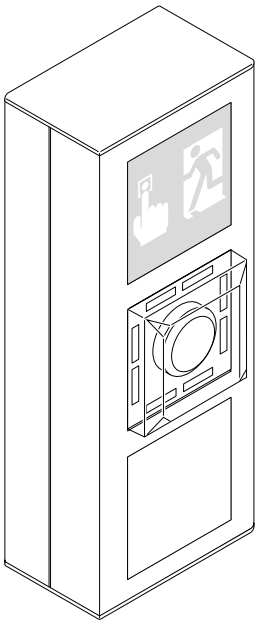
For use without time delay, with 4-wire bus cabling in Hi-O technology.
With emergency open module for the control and monitoring of electrical locking elements for escape routes.
Prepared for external AC system.
With empty position for integration of e.g. a RFID reader of an external AC system.
Connection to door terminal via: SYSCON-5 connection cable
For mounting in DIN switch boxes for light switch systems with manufacturer-specific covers and frames.
Consists of:
· illuminated pictogram;
· emergency open module;
· empty position for accepting a RFID reader
With ePED® interface for locks for installation in distribution boxes

Technical attributes	
Inputs	2
Outputs	1 x 30 V / 1 A switchover contact
Control function	Yes, Hi-O technology
Operating and display function	Yes
Power supply	External power supply required
Connection	4-wire bus
Time delay	No
Illuminated pictogram	Yes
Down Counter	No
Emergency button	Yes, latching
Control element	Via external AC system
Initial configuration	With ePED® service interface and software for MS Windows
Required power supply	in accordance with DIN EN 60950-1 SELV 24 V (+/-15 %)
Operating temperature range	-10 °C – +55 °C
Area of application	For use in indoor areas
Class of protection	IP30 (if fully installed)
Installation	in DIN switch boxes >= 62.5 mm deep
Dimension	3 gang switch combination
Sabotage switch	Yes
Amount of bus addresses	3
Escape door terminal with bi-directional escape route	Yes
Certified in compliance with	EltVTR; DIN EN 13637:2015

Article / Feature	Order no.
Jung AS500 - alpine white; incl. 1386S00UP	1386-1LB1--04S0
Jung AS500 - green; incl. 1386S00UP	1386-1LB1--18S0
Jung LS 990 - alpine white; incl. 1386S00UP	1386-1LB6--04S0
Jung LS 990 - stainless steel; incl. 1386S00UP	1386-1LB63535S0
Gira E2 - gloss pure white; incl. 1386S00UP	1386-1LB2--04S0
Gira E2 – aluminum finish; incl. 1386S00UP	1386-1LB2--35S0
Gira standard 55 - gloss pure white; incl. 1386S00UP	1386-1LB3--04S0
Gira stainless steel Series 21; incl. 1386S00UP	1386-1LB53535S0

ePED® escape door terminal in switch design for access control system

ePED® escape door terminal 24 V DC, surface-mounted with illuminated pictogram



ePED® terminal, surface-mounted with illuminated pictogram

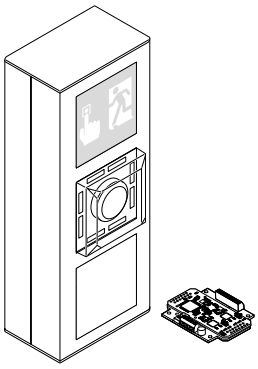
For use without time delay, with 4-wire bus cabling in Hi-O technology.
With emergency open module for the control and monitoring of electrical locking elements for escape routes.
Prepared for external AC system.
With empty position for integration of e.g. a RFID reader of an external AC system.
Connection to door terminal via: SYSCON-5 connection cable
For surface mounting with manufacturer-specific covers and housing.
Consists of:
· illuminated pictogram;
· emergency open module;
· empty position for accepting a RFID reader

Technical attributes	
Required power supply	in accordance with DIN EN 60950-1 SELV 24 V (+/-15 %)
Inputs	2
Outputs	1 x 30 V / 1 A switchover contact
Control function	Yes, Hi-O technology
Operating and display function	Yes
Connection	4-wire bus
Time delay	No
Illuminated pictogram	Yes
Down Counter	No
Emergency button	Yes, latching
Control element	Via external AC system
Initial configuration	With ePED® service interface and software for MS Windows
Operating temperature range	-10 °C – +55 °C
Area of application	For use in indoor areas
Class of protection	IP30 (if fully installed)
Installation	Surface fitting
Dimension	3 gang housing
Sabotage switch	Yes
Amount of bus addresses	2
Escape door terminal with bi-directional escape route	Yes
Certified in compliance with	EltVTR; DIN EN 13637:2015

Article / Feature	Order no.
Gira profile 55 - pure white	1386-1LB7--0400
Gira profile 55 - aluminum finish	1386-1LB7--3500

ePED® escape door terminal in switch design for access control system

ePED® escape door terminal 24 V DC, surface-mounted with illuminated pictogram



ePED® terminal, surface-mounted with illuminated pictogram, included 1386S00UP

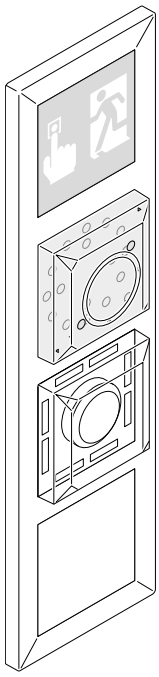
For use without time delay, with 4-wire bus cabling in Hi-O technology.
With emergency open module for the control and monitoring of electrical locking elements for escape routes.
Prepared for external AC system.
With empty position for integration of e.g. a RFID reader of an external AC system.
Connection to door terminal via: SYSCON-5 connection cable
For surface mounting with manufacturer-specific covers and housing.
Consists of:
· illuminated pictogram;
· emergency open module;
· empty position for accepting a RFID reader
With ePED® interface for locks for installation in distribution boxes

Technical attributes	
Required power supply	in accordance with DIN EN 60950-1 SELV 24 V (+/-15 %)
Inputs	2
Outputs	1 x 30 V / 1 A switchover contact
Control function	Yes, Hi-O technology
Operating and display function	Yes
Connection	4-wire bus
Time delay	No
Illuminated pictogram	Yes
Down Counter	No
Emergency button	Yes, latching
Control element	Via external AC system
Initial configuration	With ePED® service interface and software for MS Windows
Operating temperature range	-10 °C – +55 °C
Area of application	For use in indoor areas
Class of protection	IP30 (if fully installed)
Installation	Surface fitting
Dimension	3 gang housing
Sabotage switch	Yes
Amount of bus addresses	3
Escape door terminal with bi-directional escape route	Yes
Certified in compliance with	EltVTR; DIN EN 13637:2015

Article / Feature	Order no.
Gira profile 55 - pure white; incl. 1386S00UP	1386-1LB7--04S0
Gira profile 55 - aluminum finish; incl. 1386S00UP	1386-1LB7--35S0

ePED® escape door terminal in switch design for access control system

ePED® escape door terminal 24 V DC, flush-mounted for time delay and illuminated pictogram



ePED® terminal, flush-mounted with time delay and illuminated pictogram

For use with time delay, with 4-wire bus cabling in Hi-O technology.
With emergency open module for the control and monitoring of electrical locking elements for escape routes.
The time delay deviating from this is checked as per the requirements of DIN EN 13637:2015 (electrically controlled exit systems for use on escape routes) as per EN 61508 Safety Integrity Level 2 (SIL2).
Time delay applications are subject to local Building Regulations. Additional permissions may be reqired.
Prepared for external AC system.
With empty position for integration of e.g. a RFID reader of an external AC system.
Connection to door terminal via: SYSCON-5 connection cable
For mounting in DIN switch boxes for light switch systems with manufacturer-specific covers and frames.
Consists of:

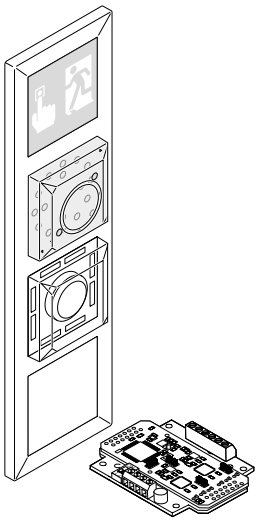
- illuminated pictogram;
- display release delay;
- emergency open module;
- empty position for accepting a RFID reader

Technical attributes	
Required power supply	in accordance with DIN EN 60950-1 SELV 24 V (+/-15 %)
Inputs	2
Outputs	1 x 30 V / 1 A switchover contact
Control function	Yes, Hi-O technology
Operating and display function	Yes
Connection	4-wire bus
Time delay	Yes
Illuminated pictogram	Yes
Down Counter	Yes
Emergency button	Yes, latching
Control element	Via external AC system
Initial configuration	With ePED® service interface and software for MS Windows
Operating temperature range	-10 °C – +55 °C
Area of application	For use in indoor areas
Class of protection	IP30 (if fully installed)
Installation	in DIN switch boxes >= 62.5 mm deep
Dimension	4 gang switch combination
Sabotage switch	Yes
Amount of bus addresses	3
Escape door terminal with bi-directional escape route	Yes
Certified in compliance with	EltVTR; DIN EN 13637:2015

Article / Feature	Order no.
Jung AS500 - alpine white	1386Z1LB1--0400
Jung AS500; green	1386Z1LB1--1800
Jung LS 990 - alpine white	1386Z1LB6--0400
Jung LS 990 - stainless steel	1386Z1LB6353500
Gira E2 - gloss pure white	1386Z1LB2--0400
Gira E2 – aluminium finish	1386Z1LB2--3500
Gira Standard 55 - glossy, pure white	1386Z1LB3--0400
Gira Stainless Steel Series 21	1386Z1LB5353500

ePED® escape door terminal in switch design for access control system

ePED® escape door terminal 24 V DC, flush-mounted for time delay and illuminated pictogram



ePED® terminal, flush-mounted with time delay and illuminated pictogram included 1386S00UP

For use with time delay, with 4-wire bus cabling in Hi-O technology.

With emergency open module for the control and monitoring of electrical locking elements for escape routes.

The time delay deviating from this is checked as per the requirements of DIN EN 13637:2015 (electrically controlled exit systems for use on escape routes) as per EN 61508 Safety Integrity Level 2 (SIL2).

Time delay applications are subject to local Building Regulations. Additional permissions may be reqired.

Prepared for external AC system.

With empty position for integration of e.g. a RFID reader of an external AC system.

Connection to door terminal via: SYSCON-5 connection cable

For mounting in DIN switch boxes for light switch systems with manufacturer-specific covers and frames.

Consists of:

- illuminated pictogram;
- display release delay;
- emergency open module;
- empty position for accepting a RFID reader

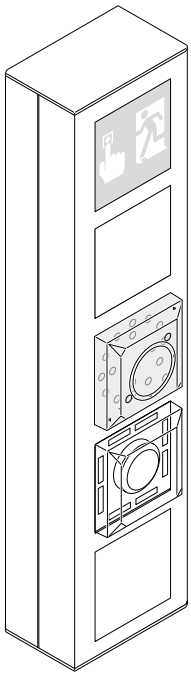
With ePED® interface for locks for installation in distribution boxes

Technical attributes	
Required power supply	in accordance with DIN EN 60950-1 SELV 24 V (+/-15 %)
Inputs	2
Outputs	1 x 30 V / 1 A switchover contact
Control function	Yes, Hi-O technology
Operating and display function	Yes
Connection	4-wire bus
Time delay	Yes
Illuminated pictogram	Yes
Down Counter	Yes
Emergency button	Yes, latching
Control element	Via external AC system
Initial configuration	With ePED® service interface and software for MS Windows
Operating temperature range	-10 °C – +55 °C
Area of application	For use in indoor areas
Class of protection	IP30 (if fully installed)
Installation	in DIN switch boxes >= 62.5 mm deep
Dimension	4 gang switch combination
Sabotage switch	Yes
Amount of bus addresses	4
Escape door terminal with bi-directional escape route	Yes
Certified in compliance with	EltVTR; DIN EN 13637:2015

Article / Feature	Order no.
Jung AS500 - alpine white; incl. 1386S00UP	1386Z1LB1--04S0
Jung AS500 - green; incl. 1386S00UP	1386Z1LB1--18S0
Jung LS 990 - alpine white; incl. 1386S00UP	1386Z1LB6--04S0
Jung LS 990 - stainless steel; incl. 1386S00UP	1386Z1LB63535S0
Gira E2 - gloss pure white; incl. 1386S00UP	1386Z1LB2--04S0
Gira E2 – aluminum finish; incl. 1386S00UP	1386Z1LB2--35S0
Gira standard 55 - gloss pure white; incl. 1386S00UP	1386Z1LB3--04S0
Gira stainless steel Series 21; incl. 1386S00UP	1386Z1LB53535S0

ePED® escape door terminal in switch design for access control system

ePED® escape door terminal 24 V DC, surface-mounted for time delay and illuminated pictogram



ePED® terminal, surface-mounted with time delay and illuminated pictogram

For use with time delay, with 4-wire bus cabling in Hi-O technology.
With emergency open module for the control and monitoring of electrical locking elements for escape routes.
The time delay deviating from this is checked as per the requirements of DIN EN 13637:2015 (electrically controlled exit systems for use on escape routes) as per EN 61508 Safety Integrity Level 2 (SIL2).
Time delay applications are subject to local Building Regulations. Additional permissions may be reqired.
Prepared for external AC system.
With empty position for integration of e.g. a RFID reader of an external AC system.
Connection to door terminal via: SYSCON-5 connection cable
For surface mounting with manufacturer-specific covers and housing.
Consists of:

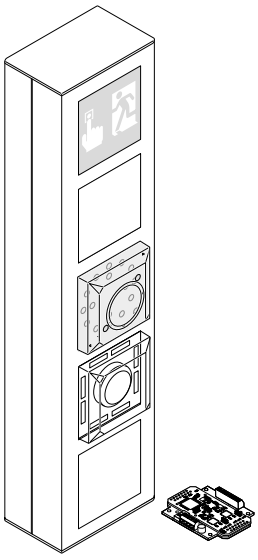
- illuminated pictogram;
- central cover; display release delay;
- emergency open module;
- empty position for accepting a RFID reader

Technical attributes	
Required power supply	in accordance with DIN EN 60950-1 SELV 24 V (+/-15 %)
Inputs	2
Outputs	1 x 30 V / 1 A switchover contact
Control function	Yes, Hi-O technology
Operating and display function	Yes
Connection	4-wire bus
Time delay	Yes
Illuminated pictogram	Yes
Down Counter	Yes
Emergency button	Yes, latching
Control element	Via external AC system
Initial configuration	With ePED® service interface and software for MS Windows
Operating temperature range	-10 °C – +55 °C
Area of application	For use in indoor areas
Class of protection	IP30 (if fully installed)
Installation	Surface fitting
Dimension	5 gang housing
Sabotage switch	Yes
Amount of bus addresses	3
Escape door terminal with bi-directional escape route	Yes
Certified in compliance with	EltVTR; DIN EN 13637:2015

Article / Feature	Order no.
Gira profile 55 - pure white	1386Z1LB7--0400
Gira profile 55 - aluminum finish	1386Z1LB7--3500

ePED® escape door terminal in switch design for access control system

ePED® escape door terminal 24 V DC, surface-mounted for time delay and illuminated pictogram



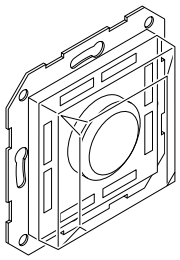
ePED® terminal, surface-mounted with time delay and illuminated pictogram

For use with time delay, with 4-wire bus cabling in Hi-O technology.
With emergency open module for the control and monitoring of electrical locking elements for escape routes.
The time delay deviating from this is checked as per the requirements of DIN EN 13637:2015 (electrically controlled exit systems for use on escape routes) as per EN 61508 Safety Integrity Level 2 (SIL2).
Time delay applications are subject to local Building Regulations. Additional permissions may be reqired.
Prepared for external AC system.
With empty position for integration of e.g. a RFID reader of an external AC system.
Connection to door terminal via: SYSCON-5 connection cable
For surface mounting with manufacturer-specific covers and housing.
Consists of:
· illuminated pictogram;
· central cover; display release delay;
· emergency open module;
· empty position for accepting a RFID reader
With ePED® interface for locks for installation in distribution boxes

Technical attributes	
Required power supply	in accordance with DIN EN 60950-1 SELV 24 V (+/-15 %)
Inputs	2
Outputs	1 x 30 V / 1 A switchover contact
Operating and display function	Yes
Control function	Yes, Hi-O technology
Connection	4-wire bus
Time delay	Yes
Illuminated pictogram	Yes
Down Counter	Yes
Emergency button	Yes, latching
Control element	Via external AC system
Initial configuration	With ePED® service interface and software for MS Windows
Operating temperature range	-10 °C – +55 °C
Area of application	For use in indoor areas
Class of protection	IP30 (if fully installed)
Installation	Surface fitting
Dimension	5 gang housing
Sabotage switch	Yes
Amount of bus addresses	4
Escape door terminal with bi-directional escape route	Yes
Certified in compliance with	EltVTR; DIN EN 13637:2015

Article / Feature	Order no.
Gira profile 55 - pure white; incl. 1386S00UP	1386Z1LB7--04S0
Gira profile 55 - aluminum finish; incl. 1386S00UP	1386Z1LB7--35S0

ePED® Escape door terminal in switch design
Individual modules and Accessories



ePED® EMERGENCY OPEN module

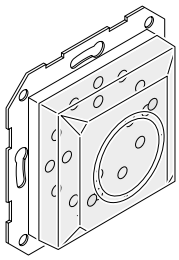
Single module in Hi-O bus technology with optimized operating concept. To control locking/unlocking, temporary unlocking, alarm acknowledgement through a potencial-free contact such as card reader, door code systems or others. Or to conventionally control through key switch, tested in compliace with EltVTR.

- Emergency button lights up; features reusable, non-detachable, shatterproof protective cover
- Integrated visual door status indicator with high-performance LEDs (green / red / yellow) signalling unlocked / locked / alarm status
- Emergency button sign (arrow pointing downwards)
- Acoustic signal and tampering contact
- Adjustable time period for delayed permanent release, temporary release, pre-alarm, alarm interval, guidance signal
- Monitoring of time door is open in the case of temporary unlocking
- With two inputs featuring adjustable parameters for:
  - control via an external operating element or;
  - temporary release via AC system or;
  - emergency locking via fire alarm system or;
  - unlocking via switching timer.
- With a relay output featuring adjustable parameters for:
  - door locked/unlocked,
  - door open/closed,
  - common alarm,
  - individual alarm or
  - activation of electric strike/ motorized lock/ revolving door drive/ arrestor system.
- System connector for setting parameters with ePED® service interface and software for MS Windows
- Connections:
  - SYSCON-4: Hi-O bus;
  - SYSCON-5: operating unit,
  - screw/ plug-in terminals

Technical attributes	
Installation	To install flush mounted switch box, 62 mm deep, frame or surface housing necessary
Inputs	2
Outputs	1 x 30 V / 1 A switchover contact
Certified in compliance with	EltVTR; DIN EN 13637:2015
Control function	Yes, Hi-O technology
Operating and display function	Yes, integrated
Connection	4-wire bus; SYSCON 4
Emergency button	Yes, latching
Control element	No, external operating unit required
Initial configuration	With ePED® service interface and software for MS Windows
Required power supply	in accordance with DIN EN 60950-1 SELV; 12 V (–15 %) to 24 V (+15 %); optimal voltage = 24 VDC
Operating temperature range	-10 °C – +55 °C
Area of application	For use in indoor areas
Class of protection	IP30 (if fully installed)
Sabotage switch	Yes
Amount of bus addresses	2
Escape door terminal with bi-directional escape route	Yes

Article / Feature	Order no.
Standard for 55 mm modules	**1 3 8 6 D 0 0 - - - - - - 0 0**

ePED® Escape door terminal in switch design
Individual modules and Accessories

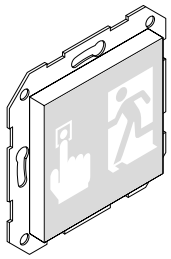


ePED® release delay display

Individual module in Hi-O bus technology for displaying the expiring time delay.
Integrated visual door status indicator with high-performance LEDs (green / red / yellow) signalling unlocked / locked / alarm status

Technical attributes	
Installation	To install flush mounted switch box, 62 mm deep, frame or surface housing necessary
Control function	No, Hi-O technology
Connection	4-wire bus; SYSCON 4
Time delay	Yes
Required power supply	in accordance with DIN EN 60950-1 SELV; 12 V (–15 %) to 24 V (+15 %); optimal voltage = 24 VDC
Operating temperature range	-10 °C – +55 °C
Area of application	For use in indoor areas
Class of protection	IP30 (if fully installed)
Sabotage switch	No
Amount of bus addresses	1
Escape door terminal with bi-directional escape route	Yes
Certified in compliance with	DIN EN 13637:2015

Article / Feature	Order no.
Standard for 55 mm modules	1386D00-Coun-00



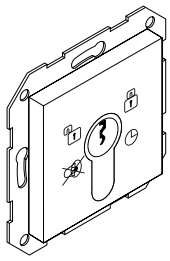
Illuminated information pictogram module for escape routes

For marking of the emergency button in electrical controlled escape route system.
With active background lightening and with self-adhesive pictogram according to DIN EN 13637:2015.
For the connection with effeff escape route terminals 1383/1384/1385/1386D00 through standard system plug.
Cable is included in the scope of delivery.
The use is possible in combination with door terminal 1380.
Suitable for 55 mm frames.

Technical attributes	
Required power supply	in accordance with DIN EN 60950-1 SELV 24 V (+/-15 %)
Installation	Frame or surface-mounted module required to install flush-mounted switch boxes 45 mm deep
Connection	SYSCON 4
Operating temperature range	-10 °C – +55 °C
Area of application	For use in indoor areas
Class of protection	IP30 (if fully installed)
Sabotage switch	No
Amount of bus addresses	none
Certified in compliance with	EltVTR; DIN EN 13637:2015

Article / Feature	Order no.
Illuminated pictogram	1386D00-HW--F90

ePED® Escape door terminal in switch design
Individual modules and accessories



Key switch module model 1385ES2

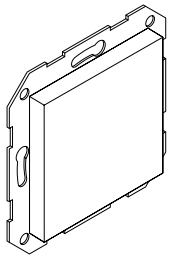
Key switch for connection to an effeff escape door control module or door monitoring module for controlling unlocking, locking, temporary unlocking and alarm resetting, integrated tamper contact

Key switch module

- For standard flush-mounted boxes: 45 mm depth, with Euro profile half-cylinder, cam position 180°, length 30.5 mm
- Connection: SYSCON-5 and screw/ plug-in terminals

Technical attributes	
Operating and display function	Operating function
Connection	SYSCON 5
Control element	Key switch with Euro profile cylinder; adjustable cam position 8 x 45°; 30.5 mm long
Operating temperature range	-10 °C – +55 °C
Area of application	For use in indoor areas
Class of protection	IP30 (if fully installed)
Installation	Frame or surface-mounted module required to install flush-mounted switch boxes 45 mm deep
Sabotage switch	Yes
Connections (key switch)	Screw/ plug-in terminals
Amount of bus addresses	none
Key switch on opposite side to direction of escape	Yes (without display)

Article / Feature	Order no.
System 55, Jung AS500, alpine white	1385ES2-1--0400
System 55, Jung AS500, green	1385ES2-1--1800
System 55, Gira E2; pure white gloss	1385ES2-2--0400
System 55, Gira E2, aluminium finish	1385ES2-2--3500
System 55, Gira Standard 55; pure white gloss	1385ES2-3--0400
System 55, Gira series 21, stainless steel	1385ES2-53535500
System 55, Jung LS990, alpine white	1385ES2-6--0400
System 55, Jung LS990, stainless steel	1385ES2-63535500



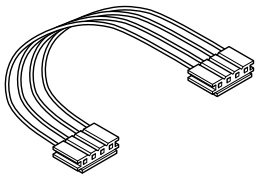
Main Cover Model 1385EZA

To cover the power supply module

Technical attributes	
System	55 mm

Article / Feature	Order no.
Jung AS500 - alpine white	1385EZA-1--0400
Jung AS500; green	1385EZA-1--1800
Jung LS990 - alpine white	1385EZA-6--0400
Jung LS990 - stainless steel	1385EZA-63535500
Gira E2 - gloss pure white	1385EZA-2--0400
Gira E2; aluminium colour	1385EZA-2--3500
Gira Standard 55 - glossy, pure white	1385EZA-3--0400
Gira Series 21, stainless steel	1385EZA-53535500

ePED® Escape door terminal in switch design
Individual modules and accessories

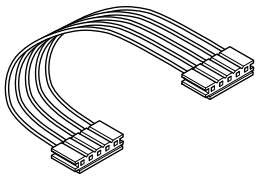


Syscon 4 Connecting Cable Model 1385EVL4

To connect panels. The single conductors are highlighted in color.

Technical attributes	
Sockets	SYSCON 4 on both sides

Article / Feature	Order no.
Syscon-4; double sided; 4-pin female connector	1385EVL4-----00

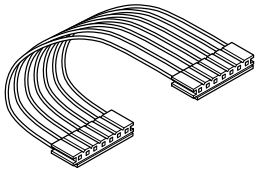


Syscon 5 Connecting Cable Model 1385EVL5

To connect the escape door control unit with the key switch unit. The single conductors are highlighted in color.

Technical attributes	
Sockets	SYSCON 5 on both sides

Article / Feature	Order no.
Syscon-5; double-sided; 5-pin female connector	1385EVL5-----00



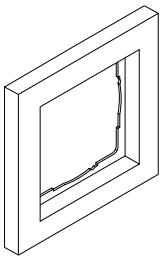
Connecting cable Syscon-7

To connect additional control and status signals. The single conductors are highlighted in color.

Technical attributes	
Sockets	SYSCON-7 on both sides

Article / Feature	Order no.
Syscon-7 on both sides, 7-pole socket	1385EVL7-----00

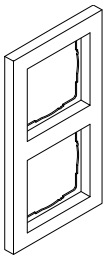
ePED® Escape door terminal in switch design
Individual modules and accessories



Frame Model 1380EF1
Single frame

Technical attributes	
Frame	Single

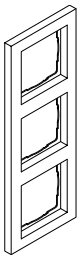
Article / Feature	Order no.
Single; Jung AS500; alpine white	1380EF1--0400
Single; Jung AS500; green	1380EF1--1800
Single; Gira E2; pure white	1380EF1-2--0400
Single; Gira E2; alu colour	1380EF1-2--3500
Single; Gira Standard 55; pure white	1380EF1-3--0400
Single; Gira series 21; stainless steel	1380EF1-5353500
Single; Jung LS990; pure white	1380EF1-6--0400
Single; Jung LS990; stainless steel	1380EF1-6353500



Double frame Model 1380EF2
Single frame

Technical attributes	
Frame	Dual

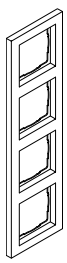
Article / Feature	Order no.
Double; Jung AS500; alpine white	1380EF2--0400
Double; Jung AS500; green	1380EF2--1800
Double; Gira E2; pure white	1380EF2-2--0400
Double; Gira E2; alu colour	1380EF2-2--3500
Double; Gira Standard 55; pure white	1380EF2-3--0400
Double; Gira series 21; stainless steel	1380EF2-5353500
Double; Jung LS990; pure white	1380EF2-6--0400
Double; Jung LS990; stainless steel	1380EF2-6353500



Frame Model 1380EF3
Single frame

Technical attributes	
Frame	Triple

Article / Feature	Order no.
Jung AS500 - alpine white	1380EF3--0400
Jung AS500; green	1380EF3--1800
Gira E2 - gloss pure white	1380EF3-2--0400
Gira E2; aluminium colour	1380EF3-2--3500
Gira Standard 55 - glossy, pure white	1380EF3-3--0400
Gira Series 21, stainless steel	1380EF3-5353500
Jung LS990 - alpine white	1380EF3-6--0400
Jung LS990 - stainless steel	1380EF3-6353500

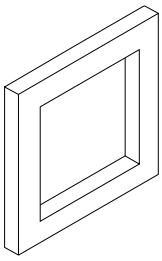


Single frame model 1380EF4
Single frame

Technical attributes	
Frame	4 gang

Article / Feature	Order no.
Jung AS500 - alpine white	1380EF4--0400
Jung AS500; green	1380EF4--1800
Gira E2 – aluminium finish	1380EF4-2--3500
Gira E2 - gloss pure white	1380EF4-2--0400
Gira Standard 55 - glossy, pure white	1380EF4-3--0400
Gira Stainless Steel Series 21	1380EF4-5353500
Jung LS 990 - alpine white	1380EF4-6--0400
Jung LS 990 - stainless steel	1380EF4-6353500

ePED® Escape door terminal in switch design
Individual modules and accessories



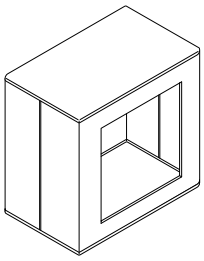
Intermediary Frame Model 1385EF1Z

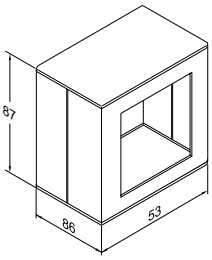
Intermediary frame for 55 mm switch modules.

Technical attributes	
System	55 mm

Article / Feature	Order no.
Gira Serie 21 on 55x55 mm	1380EF1Z5----00
Jung LS990; alpine white; for 55x55 mm	1380EF1Z6--0400
Jung LS990 stainless steel (aluminium colour) on 55x55 mm	1380EF1Z6--3500

ePED® Escape door terminal in switch design
Individual modules and accessories

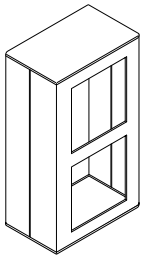


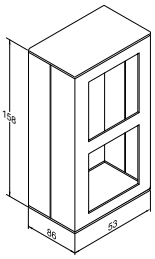


Housing for Model 1385EG1
Housing

Technical attributes	
Frame	Single
Mounting method	Surface-mounted

Article / Feature	Order no.
Single; Gira Profil 55, pure white	1385EG1-7--0400
Single; Gira Profil 55, aluminium finish	1385EG1-7--3500

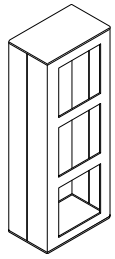


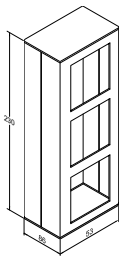


Housing for Model 1385EG2
Housing

Technical attributes	
Frame	Dual
Mounting method	Surface-mounted

Article / Feature	Order no.
Double; Gira Profil 55, pure white	1385EG2-7--0400
Double; Gira Profil 55, aluminium finish	1385EG2-7--3500



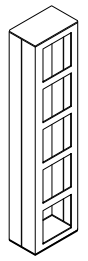


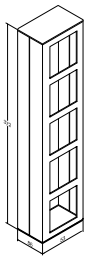
Housing for Model 1385EG3
Housing

Technical attributes	
Frame	Triple
Mounting method	Surface-mounted

Article / Feature	Order no.
Triple; Gira Profil 55, pure white	1385EG3-7--0400
Triple; Gira Profil 55, aluminium finish	1385EG3-7--3500

ePED® Escape door terminal in switch design
Individual modules and accessories



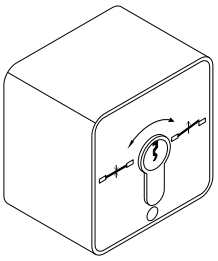


Housing model 1385EG5
Housing

Technical attributes	
Frame	5 gang
Mounting method	Surface-mounted

Article / Feature	Order no.
Gira - glossy pure white	1385EG5-7--0400
Gira - aluminum colour	1385EG5-7--3500

ePED® Escape door terminal in switch design
Individual modules and Accessories



Key Switch Model 1140

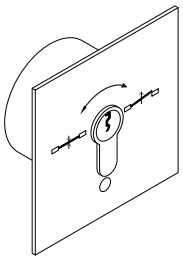
An operating unit to release doors against direction of escape (outdoors) in conjunction with escape door control unit.

Key switch module

- With a momentary n.o. contact which can be operated to the left or right,
- For locking/unlocking, temporary releasing
- Metal housing
- Connections: screw terminals

Technical attributes	
Type of cylinder	Designed for with profile half-cylinder; cam position 8 x 45°; 30.5 mm long
LED display	No
Mounting method	Surface-mounted
Class of protection	IP 54
Height	73,5 mm
Width	73,5 mm
Depth	45 mm

Article / Feature	Order no.
With momentary n.o. contact on both sides; surface-mounted	**1 1 4 0 - 1 0 - - - - - - 0 0**



Key Switch Model 1140

An operating unit to release doors against direction of escape (outdoors) in conjunction with escape door control unit.

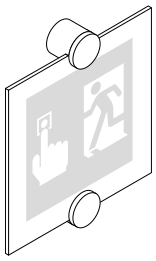
Key switch module

- With a momentary n.o. contact which can be operated to the left or right,
- For locking/unlocking, temporary releasing
- Metal housing
- Connections: screw terminals

Technical attributes	
Height	100 mm
Mounting method	Surface-mounted
Type of cylinder	Designed for with profile half-cylinder; cam position 8 x 45°; 30.5 mm long
Depth	56 mm
Class of protection	IP 54
Width	90 mm
LED display	No

Article / Feature	Order no.
With momentary n.o. contact on both sides; flush-mounted	**1 1 4 0 - 1 1 - - - - - - 0 0**

ePED® Escape door terminal in switch design
Individual modules and Accessories

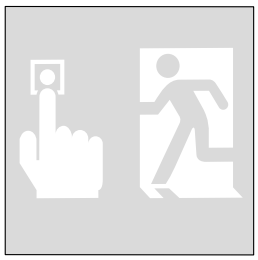


Escape Route Sign Model 1385-FTS

The mandatory pictogram is printed on a 74 x 74 mm surface on a transparent acrylic panel measuring 100 x 100 x 3 mm.
The imprint becomes luminescent after exposure to light for a certain period of time.

Technical attributes	
Dimension	100 x 100 x 3 mm

Article / Feature	Order no.
For mounting on the wall, 100x100x3 mm clamp mounting with accessories	1 3 8 5 - F T S - - - - - 0 0

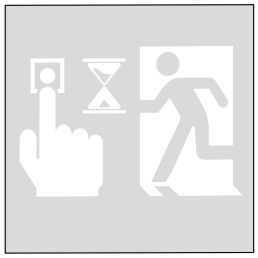


Plastic sign model 1386 HW

For labelling the function of the emergency button, without time delay.

Technical attributes	
Color	Green
Dimension	approx. 90 x 90 mm
Version	Emergency button

Article / Feature	Order no.
Green / white base, adhesive	1 3 8 6 - H W - - - - - - 0 0

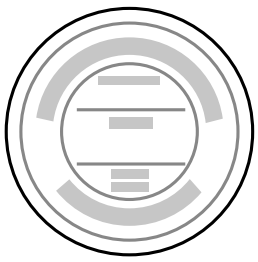


Plastic sign model 1386-HWT

For labelling the function of the emergency button, with time delay.

Technical attributes	
Color	Green
Dimension	approx. 90 x 90 mm
Version	Emergency button

Article / Feature	Order no.
Green / white base, adhesive, with time delay	1 3 8 6 - H W T - - - - - 0 0



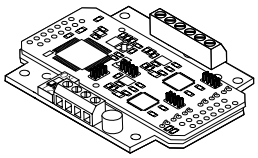
Inspection Sticker Model 2.1502-00030000

For all terminals

Technical attributes	
For Product	Alle Terminals

Article / Feature	Order no.
Inscription: Escape door locking system (Label only in German)	2 . 1 5 0 2 - 0 0 0 3 0 0 0 0

Escape Door Locking
ePED® Interface for locking

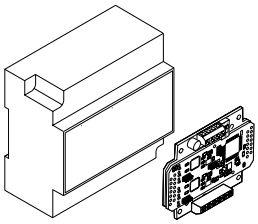


ePED® interface for locks for installation

System interfaces with safety functions for the connection of approved escape-door locking systems. For mounting in distributor or junction boxes.

Technical attributes	
Control function	Yes, Hi-O technology
Connection	4-wire bus
Time delay	Yes
Required power supply	in accordance with DIN EN 60950-1 SELV; 12 V (–15 %) to 24 V (+15 %); optimal voltage = 24 VDC
Operating temperature range	-10 °C – +55 °C
Area of application	For use in indoor areas
Class of protection	IP30 (if fully installed)
Installation	For mounting in distributor or junction boxes.
Dimension	59 x 52 x 20 mm
Sabotage switch	No
Amount of bus addresses	1
Certified in compliance with	EltVTR; DIN EN 13637:2015

Article / Feature	Order no.
for installation in distribution box	**1 3 8 6 S 0 0 U P - - - - 0 0**



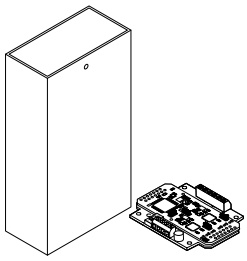
ePED® interface for locks for distribution box installation

System interfaces with safety functions for the connection of approved escape-door locking systems. To fit on mounting rails in distributor housings.

Technical attributes	
Control function	Yes, Hi-O technology
Connection	4-wire bus
Time delay	Yes
Required power supply	in accordance with DIN EN 60950-1 SELV; 12 V (–15 %) to 24 V (+15 %); optimal voltage = 24 VDC
Operating temperature range	-10 °C – +55 °C
Area of application	For use in indoor areas
Class of protection	IP30
Installation	To fit on mounting rails in distributor housings.
Dimension	98 x 88 x 63 mm (H x W x D)
Sabotage switch	No
Amount of bus addresses	1
Certified in compliance with	EltVTR; DIN EN 13637:2015

Article / Feature	Order no.
for distribution box installation	**1 3 8 6 S 0 0 V T - - - - 0 0**

Escape Door Locking
ePED® Interface for locking

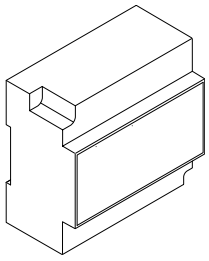


ePED® interface for locks in surface-mounted housing

System interfaces with safety functions for the connection of approved escape-door locking systems. For surface mounting in dry rooms.

Technical attributes	
Control function	Yes, Hi-O technology
Connection	4-wire bus
Time delay	Yes
Required power supply	in accordance with DIN EN 60950-1 SELV; 12 V (–15 %) to 24 V (+15 %); optimal voltage = 24 VDC
Operating temperature range	-10 °C – +55 °C
Area of application	For use in indoor areas
Class of protection	IP30
Installation	For surface mounting in dry rooms.
Dimension	125 x 80 x 41 mm (H x W x D)
Sabotage switch	No
Amount of bus addresses	1
Certified in compliance with	EltVTR; DIN EN 13637:2015

Article / Feature	Order no.
in surface-mounted housing	**1 3 8 6 S 0 0 A P - - - - 0 0**

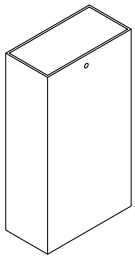


Housing for 1386S00UP for distribution box installation

For the installation of the ePED® interface for lockings 1386S00UP. To fit on mounting rails in distributor housings

Technical attributes	
Area of application	For use in indoor areas
Class of protection	IP30
Installation	To fit on mounting rails in distributor housings.
Dimension	98 x 88 x 63 mm (H x W x D)
Sabotage switch	No

Article / Feature	Order no.
for distribution box installation	**1 3 8 6 E - V T - - - - - 0 0**



Housing for 1386S00UP for surface mounting

For the installation of the ePED® interface for lockings 1386S00UP. For surface mounting in dry rooms.

Technical attributes	
Area of application	For use in indoor areas
Class of protection	IP30
Installation	For surface mounting in dry rooms.
Dimension	125 x 80 x 41 mm (H x W x D)
Sabotage switch	No

Article / Feature	Order no.
for surface mounting	**1 3 8 6 E - A P - - - - - 0 0**

Escape Door Locking
Power supply

Power supply

There is a suitable power supply unit for each type of use. The individual power supply units stand out due to their constant output voltage during fluctuations in mains voltage and load alternation.
These stabilised power supply units are used for access control, escape route systems and electric strike systems where a low-noise locking component is required.

Technical attributes	
Class of protection	IP20
Material housing	plastic

Article / Feature	Order no.
1 A, (W/D/H) 35,5x66x85 mm	**1003-24-1----10**
2 A, (W/D/H) 70x68,5x93 mm	**1003-24-2----10**
4 A, (W/D/H) 70x68,5x93 mm	**1003-24-4----10**

Emergency power supply with two batteries in the steel housing with top-hat rail

Uninterruptible emergency power supply with integrated charging stage and battery management, with signal outputs for remote monitoring in stabilised steel sheet housing including rechargeable battery/ batteries. Connection terminals for load and battery. Only for hermetically sealed lead batteries.

Technical attributes	
Output voltage	24 V DC (regulated)
Input operating voltage	230 V AC/ ± 15 %; 50/60 Hz
Version	in steel housing with top hat rail
Dimension	300 mm x 186 mm x 125 mm
Class of protection	IP 30
Protection rating	I
Color	Grey white (RAL 9002)
Operating temperature range	-10 °C to + 40 °C
Function indicator	LED display
Announcements	charge battery / Output voltage available / Battery voltage available / Battery in conservation charge / system voltage available
Outputs for messages	Open Collector max . 24 V DC 30 mA
Connection	Connection terminal
Certified in compliance with	DIN EN 60950-1 SELV
Rated power output	72 W
Recommended accumulator	2 x 18003--------00

Article / Feature	Order no.
24 V DC 3A in housing with two batteries 18003	**1006-24030SG-00**

ePED®
Escape Door Locking

Locking elements

Electric door locking systems along escape routes function based on the fail-unlocked operating principle. This ensures that the door can be safely opened when unlocked or in the event of an emergency or power failure.

A suitable, electric locking system is selected according to the type of use and building structure. effeff supplies both electro-mechanical (positive-fit) and electromagnetic (force-fit) locking elements.

Electromechanical locking devices such as escape door strikes are always used when a concealed installation is required for reasons of aesthetics or security. A surface-mounted version is also available.

Electromagnetic locking devices are often used where doors need to be retrofitted with an escape route securing system. The force fit is monitored using a Hall effect sensor when surface holding magnets are used.

Locking elements

Escape door strike 332.80
Fail-unlocked

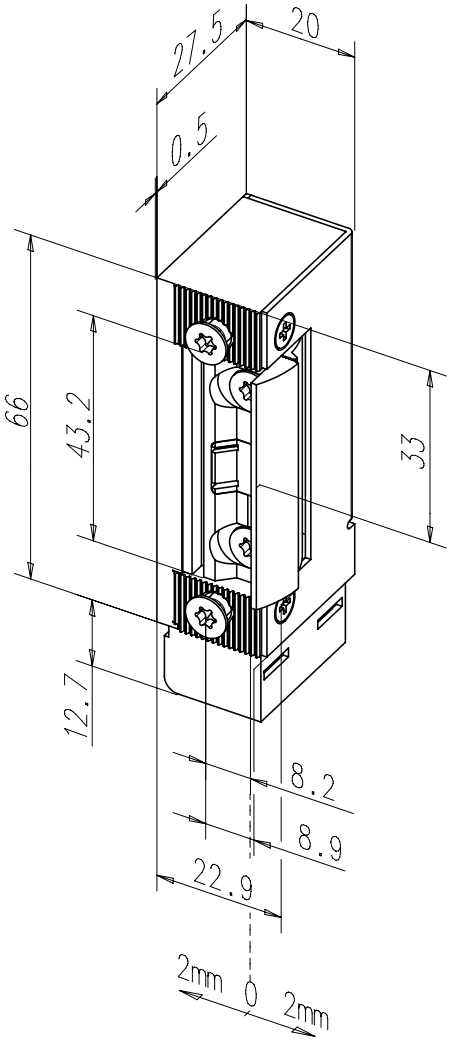
Certified escape door strike 332

The compact design of the new effeff escape door strike 332 is comparable with a standard electric strike, thus guaranteeing fast, simple installation in a wide variety of different profiles and frames.

The advantages at a glance

- Radius latch
- Compact design
- Min. 2000 N, max. 3000 N holding power according to prEN13633 and prEN 13637
- Unlocking under preload with 100% holding power
- Monitoring contact is potential-free and armature contact is non-isolated *
- Suitable for DL/DR and horizontal installation
- Low power consumption
- Compact fitting dimensions
- Adjustable FaFix® latch: 2 mm adjustment range with 0.5 mm increments
- Adjustable via Fix grooves in housing

Electrical data	12 V DC	24 V DC
Input operating voltage	± 10%	± 10%
Rated resistance	63 Ω	260 Ω
Current consumption DC (stabilised)	200 mA	100 mA



Characteristics	
Adjustable latch (FF, FaFix®)	•
Monitoring contact (RR)	•
Diode (05)	•
Fail-locked	
Fail-unlocked	•

DIN door swing directions	
Universal	1

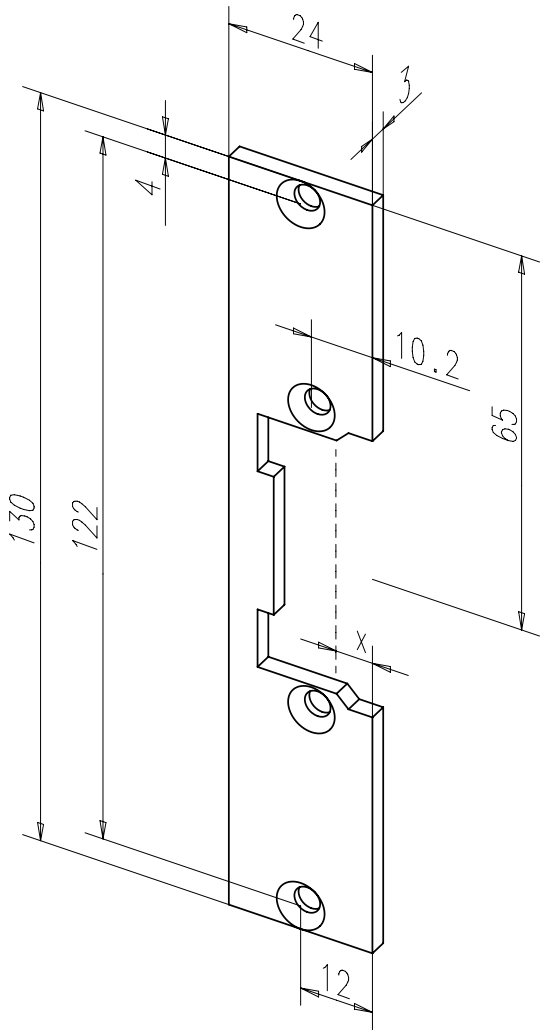
Voltage	
12 V DC	E9
24 V DC	F9

Order no.	
332.80------	* * 1

Technical attributes	
Break-in resistance	3000 N
Height	77,6 mm
Width	28 mm
Depth	20 mm
Latch bolt engaging depth	6 mm
FaFix® adjustment range	2 mm
Max. pre-load	3000 N
Operating temperature range	-15 °C to +40 °C
Continuous function load cycles	200000
Load cycles for in-plant test	500000
Installation position	vertical and horizontal
Anchor contact	Yes
Switching capacity - monitoring contact	24 V/ 1 A

Locking elements

Short flat striking plate no. 096, square-cut



Short flat striking plate with latch bolt aperture.

The advantages at a glance

- DIN left and right usable

Technical attributes	
Length	130 mm
Width	24 mm
Thickness	3 mm
Dead bolt cutout	No
Latch bolt guide	No
x measurement	0 - 4 mm

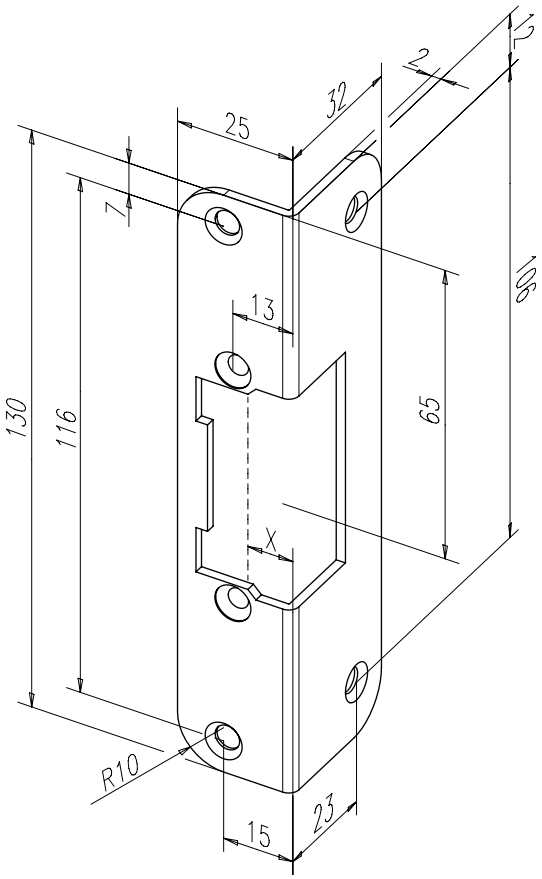
Finish	DIN direction	Order no.
01 Ducat gold	1 Universal	-------09601-01
02 Dusty grey	1 Universal	-------09602-01
35 Stainless steel	1 Universal	-------09635-01
40 Smoothed, galvanised	1 Universal	-------09640-01

Compatible electric strike models

- 332.80

Locking elements

Short angled striking plate no. 603



Short angled striking plate with latch bolt aperture.

The advantages at a glance

- Can be used for left and right hand doors

Technical attributes	
Length	130 mm
Width	25/32 mm
Thickness	2 mm
Dead bolt cutout	No
Latch bolt guide	Yes

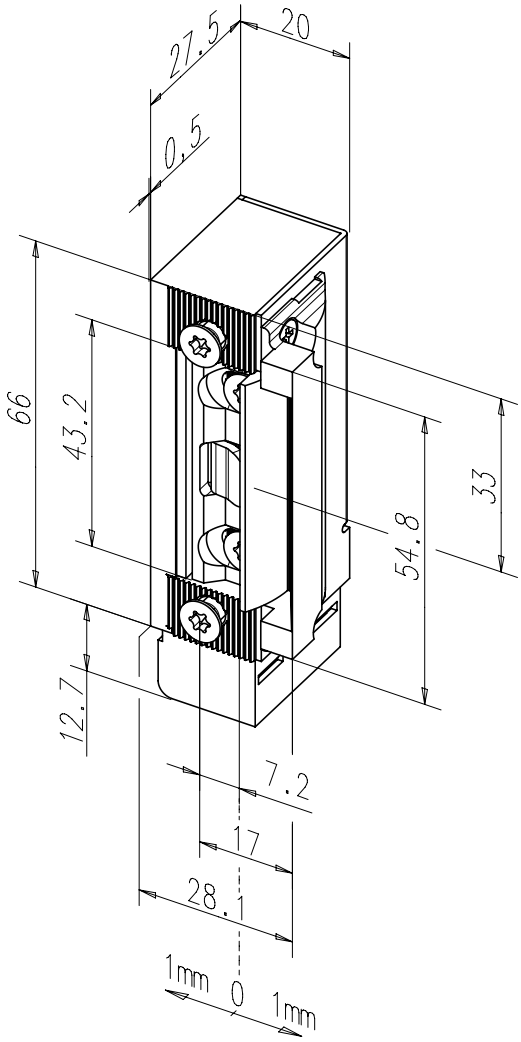
Finish	DIN direction	Order no.
35 Stainless steel	1 Universal	-------60335-01

Compatible electric strike models

- 332.80

Locking elements

Fail-Unlocked 332.208 ProFix® 1



Certified escape door strike 332

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The advantages at a glance

- Radius latch
- Compact symmetrical design
- Min. 2000 N, max. 3000 N holding power according to prEN13633 and prEN 13637
- Unlocking under preload with 100% holding power
- Monitoring contact is potential-free and armature contact is non-isolated *
- Suitable for DL/DR and horizontal installation
- Compact fitting dimensions
- Adjustable FaFix® latch: 2 mm adjustment range with 0.5 mm increments
- Adjustable via Fix grooves in housing
- Compatible with ProFix® 1 striking plates

Electrical data	12 V DC	24 V DC
Input operating voltage	± 10%	± 10%
Rated resistance	63 Ω	260 Ω
Current consumption DC (stabilised)	190 - 200 mA	95 - 100 mA

Characteristics	
Adjustable latch (FF, FaFix®)	•
Monitoring contact (RR)	•
Diode (05)	•
Fail-locked	
Fail-unlocked	•

DIN door swing directions	
Universal	1

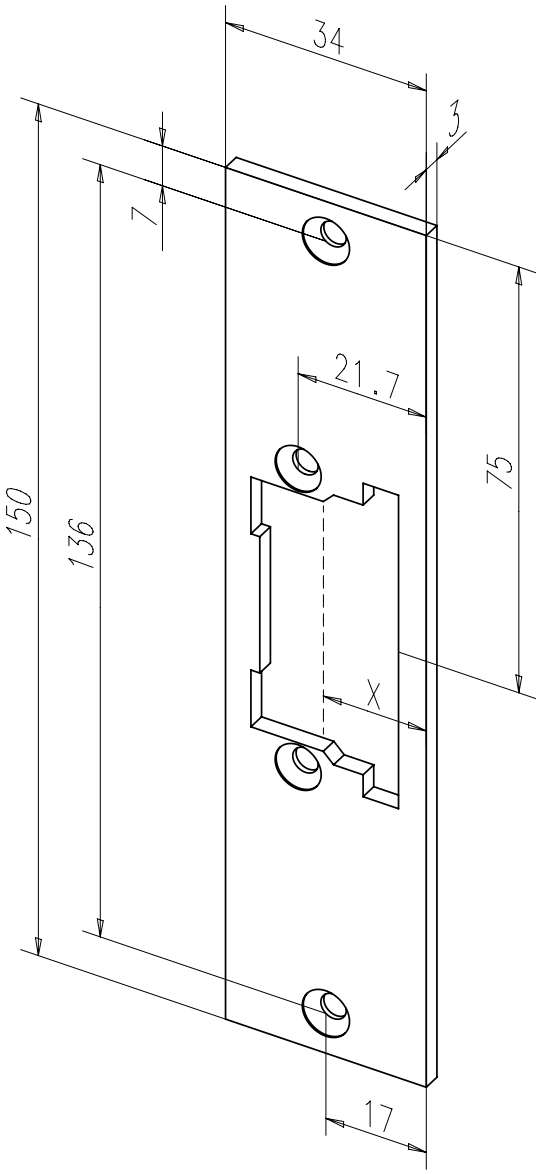
Voltage	
12 V DC	E9
24 V DC	F9

Order no.	
332.208-----	* * 1

Technical attributes	
Break-in resistance	3000 N
Height	77,6 mm
Width	28 mm
Depth	20 mm
Latch bolt engaging depth	6 mm
FaFix® adjustment range	2 mm
Max. pre-load	3000 N
Operating temperature range	-15 °C to +40 °C
Continuous function load cycles	200000
Load cycles for in-plant test	500000
Installation position	vertical and horizontal
Anchor contact	Yes
Recovery diode	Yes
Switching capacity - monitoring contact	24 V/ 1 A

Locking elements

Flat striking plate no. 522, ProFix® 1, square-cut



Short flat striking plate with latch bolt aperture.

The advantages at a glance

- DIN left and right usable
- For ProFix® model variations

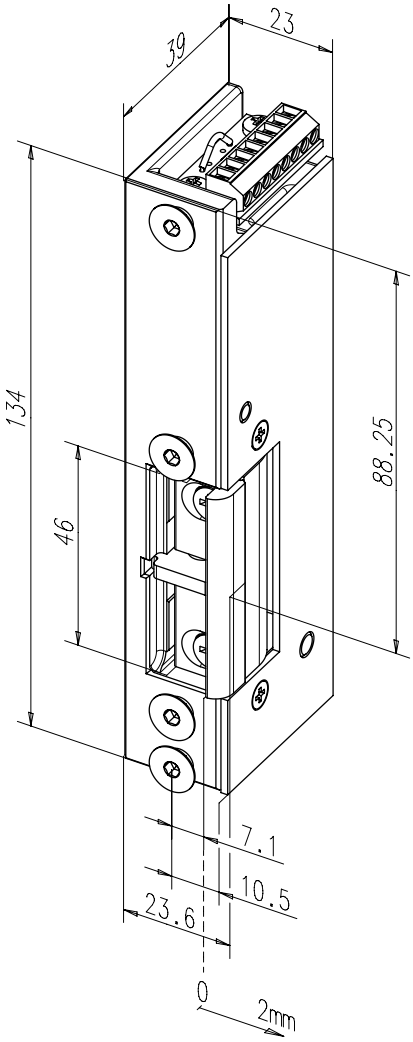
Technical attributes	
Length	150 mm
Width	34 mm
Thickness	3 mm
Dead bolt cutout	No
Latch bolt guide	No
x measurement	13,5-15,5 mm

Finish	DIN direction	Order no.
35 Stainless steel	1 Universal	-------52235-01

Compatible electric strike models

- 332.208

Locking elements
Fail-Unlocked 331U80



High-security fail-unlocked strike

Escape Door Strike 331U80 is especially designed to lock doors along escape routes. Our Model 331U80 is also suitable as an additional locking device for fire doors. Thanks to its reliable unlocking under preload (max. 5,000 N), it is primarily used in doors which are subject to escape route requirements. The 331U Model Series is guaranteed to work reliably in interlock systems, on soundproof doors and on doors where pressure is expected to act on the electric strike latch due to the structural design.

The advantages at a glance

- FaFix® latch with 2 mm adjustment range
- Integrated monitoring and armature contact
- Sturdy design for demanding requirements

Electrical data	12 V DC	24 V DC
Operating voltage tolerance range	± 1 V	± 2 V
Rated resistance	37,5 Ω	150 Ω
Current consumption DC (stabilised)	320 mA	160 mA
Max. latch preload DC (stabilised)	5000 N	5000 N

Characteristics	
Adjustable latch (FF, FaFix®)	•
Monitoring contact (RR)	•
Diode (05)	•
Armature monitoring contact	•
Fail-locked	
Fail-unlocked	•

Technical attributes	
Break-in resistance	5000 N
Height	134 mm
Width	39 mm
Depth	23 mm
Operating temperature range	-15 °C to +40 °C
Installation position	vertical and horizontal

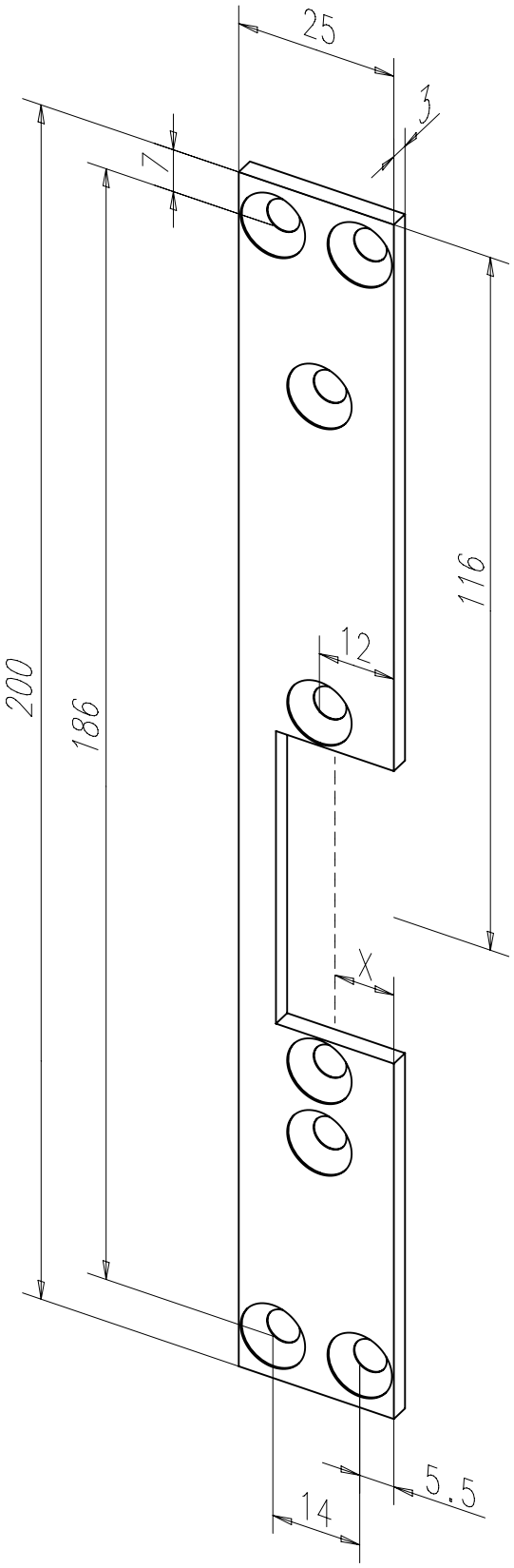
DIN door swing directions	
Left-hand	4

Voltage	
12 V DC	E9
24 V DC	F9

Order no.	
331U80F-----	* * *

Locking elements

Flat striking plate no. 116
For high-security applications



Short flat striking plate with latch bolt aperture.

The advantages at a glance

- For escape door electric strikes from the 331U Model Range as well as Security Electric Strike 131

Technical attributes	
Length	200 mm
Width	25 mm
Thickness	3 mm
Dead bolt cutout	No
Latch bolt guide	No
x measurement	2,9-4,9 mm

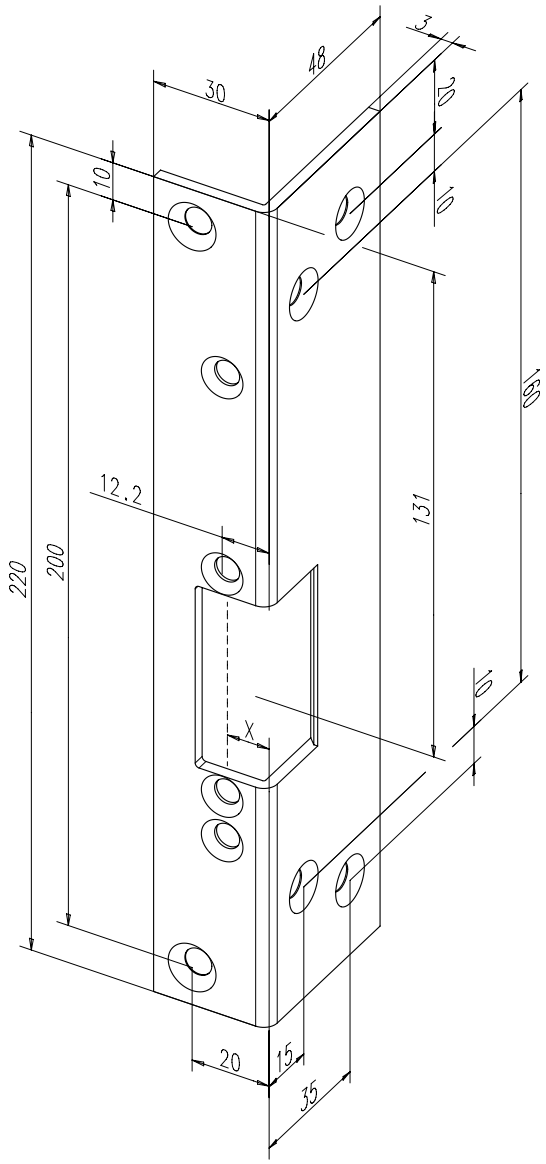
Finish	DIN direction	Order no.
02 Dusty grey	4 Left-hand	-------11602-04
02 Dusty grey	5 Right-hand	-------11602-05
35 Stainless steel	4 Left-hand	-------11635-04
35 Stainless steel	5 Right-hand	-------11635-05
40 Smoothed, galvanised	4 Left-hand	-------11640-04
40 Smoothed, galvanised	5 Right-hand	-------11640-05

Compatible electric strike models

- 331U80
- 331U80F

Locking elements

Angled striking plate no. 090
For high-security applications



Short angled striking plate with latch bolt aperture.

The advantages at a glance

- For fire protection door openers

Technical attributes	
Length	220 mm
Width	30 mm
Thickness	3 mm
Depth	48 mm
Dead bolt cutout	No
Latch bolt guide	No
x measurement	3,1-5,1 mm

Finish	DIN direction	Order no.
35 Stainless steel	4 Left-hand	-------09035-04
35 Stainless steel	5 Right-hand	-------09035-05

Compatible electric strike models

- 331U80
- 331U80F

Locking elements

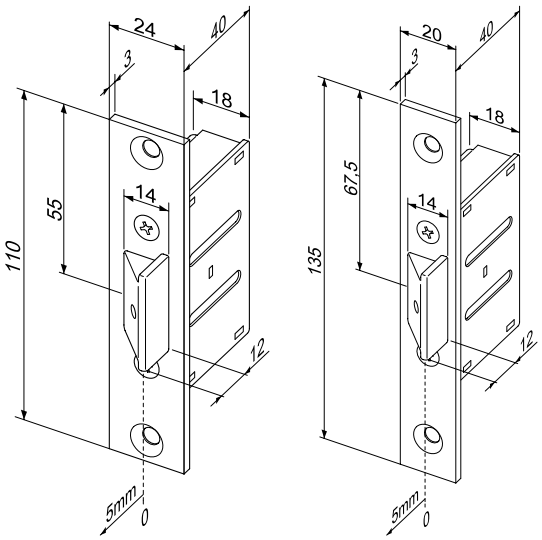
Mating components for escape door strikes

Mating component model 807 angular

Mortise latch bolt locks for Model Series 807 are tested in accordance with applicable regulations and are approved as suitable mating components for electrical locking systems in doors along escape routes.
The latch bolt is adjustable from 12 mm to 17 mm (projection). This means that it can be adapted to the door gap on site thus ensuring actuation of the monitoring contact.

Technical attributes	
Fixing holes	2
Depth	40 mm
Version	Adjustable

Article / Feature	Order no.
Faceplate 110 x 24 mm	8 0 7 - 1 0 - - - - - - - 0 0
Faceplate 135 x 20 mm	8 0 7 - 1 1 - - - - - - - 0 0

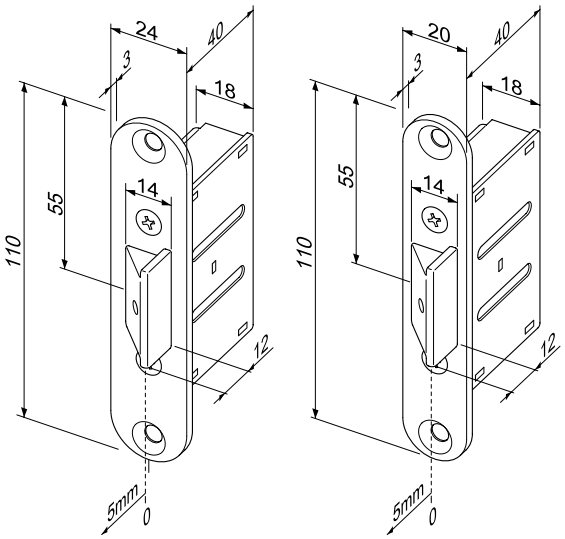


Mating Component Model 807 Radius

Mortise latch bolt locks for Model Series 807 are tested in accordance with applicable regulations and are approved as suitable mating components for electrical locking systems in doors along escape routes.
The latch bolt is adjustable from 12 mm to 17 mm (projection). This means that it can be adapted to the door gap on site thus ensuring actuation of the monitoring contact.

Technical attributes	
Fixing holes	2
Depth	40 mm
Version	Adjustable

Article / Feature	Order no.
Faceplate 110 x 24 mm	8 0 7 - 1 2 - - - - - - - 0 0
Faceplate 110 x 20 mm	8 0 7 - 1 3 - - - - - - - 0 0



Locking elements

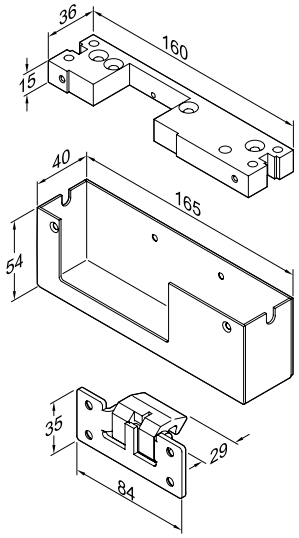
Mounting accessories for escape door strikes

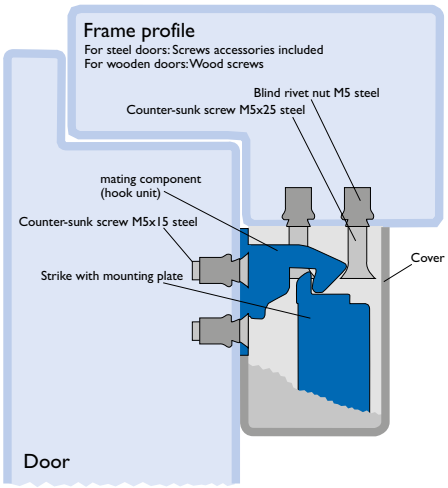
Surface-Mounted Housing Model A01

The solution to installation situations where electric door strikes cannot be installed due to technical difficulties or legal provisions. Installed as an additional locking element, the door is secured in the direction of entry and exit. It is especially suitable for combining with effeff escape route and access control systems.
Surface-Mounted Housing A01 integrates Escape Door Electric Strike 331U to safeguard escape routes.
Always order compatible Electric Strike Models 131, 141 and 331U with a DIN left handing (4) and in a FaFix design (FF).
Comprehensive installation material and drilling template are included in the supplied package.

Technical attributes	
Area of application	For metal and wood structures, plastic and aluminium profiles
Dimensions	165 x 57 x 40 mm
Surface	Stainless steel

Article / Feature	Order no.
1 surface-mounted casing set	- - - - - - - A 0 1 3 5 - 0 4



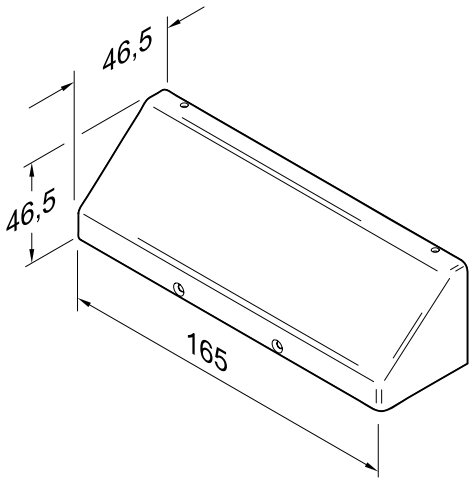


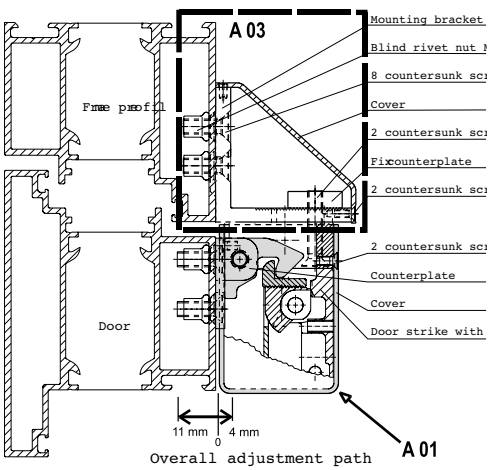
Mounting Bracket Model A03

Compatible with Models A01 und A02 for flush-fitted frame-to-door leaf structures.
Comprehensive installation material and drilling template are included in the supplied package.
Adjustable throw for projecting door max. 4 mm, for recessed door max. 11 mm

Technical attributes	
Dimensions	165 x 46.5 x 46.5 mm
Surface	Stainless steel

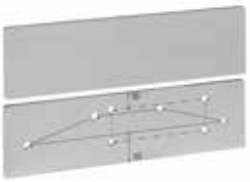
Article / Feature	Order no.
includes installation material and drilling template	- - - - - - - A 0 3 3 5 - 0 1





Locking elements

Mounting accessories for escape door strikes



Stainless Steel Adhesive Plate Model A04

Adhesive stainless steel plate to fasten the hook bolt in surface mount casing A01 to glass doors and mounting bracket A 03 to the top pane on all-glass doors
A combination of adhesive plate A04 with surface mount casing A01 replaces adhesive model A02.
Adhesive Plate A04 can also be used to fasten Mounting Bracket A03.

Technical attributes	
Dimensions	165 x 45 x 3 mm
Version	Corner radius 2 mm
System endurance test	250 000 cycles
Load per cycle	140 N (open - close)
Holding force	6000 N
Glass door leaf clearance for full glass doors	0 to max. 10 mm
Adhesive plate clearance	2 mm – 6 mm

Article / Feature	Order no.
Adhesive panel incl. accessories	- - - - - - - **A 0 4 3 5 - 0 1**

Adhesive Set Model 760-RK1500

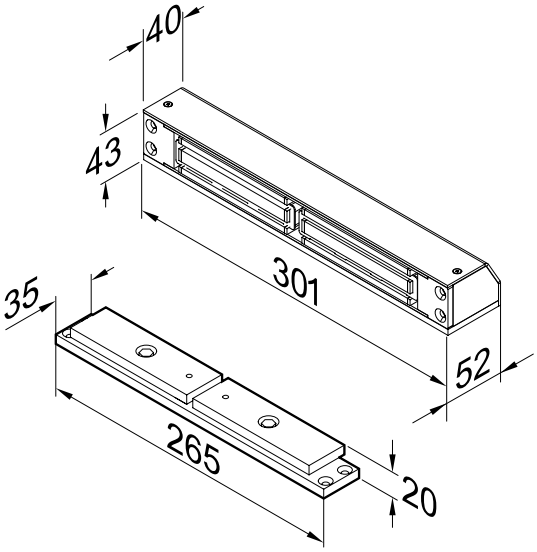
Two-component adhesive, consisting of adhesive and activator.
Installation using adhesive without mixing two components (adhesive and activator).
Adhesive set contains sufficient adhesive for about 4 Adhesive Plate Model A04.
Six cleaning cloths are included as accessories.

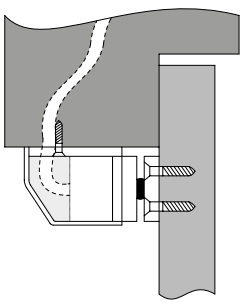
Article / Feature	Order no.
Adhesive kit	**7 6 0 - R K 1 5 0 0 - - - 0 0**

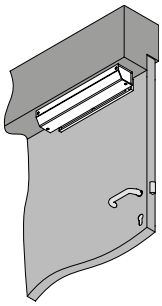
Locking elements
Holding magnets

Holding Magnet Model 827HA

Holding magnets are suitable for securing doors using an electro-magnetic system. They are easy to install, as there is no need to make modifications or cut-outs in door frames.







Technical attributes	
Version	surface
Holding force	2500 N
Connecting cable	4 m
Colour	neutral anodized
Length	301 mm
Width	52 mm
Height	43 mm
Rated current consumption 12 V DC	500 mA
Rated current consumption 24 V DC	250 mA
Input operating voltage	24 V DC / 12 V DC

Article / Feature	Order no.
Hall effect sensor, silver	**8 2 7 H A - - - - - 4 4 F 9 0**
Hall effect sensor, white	**8 2 7 H A - - - - - 9 3 F 9 0**

Locking elements

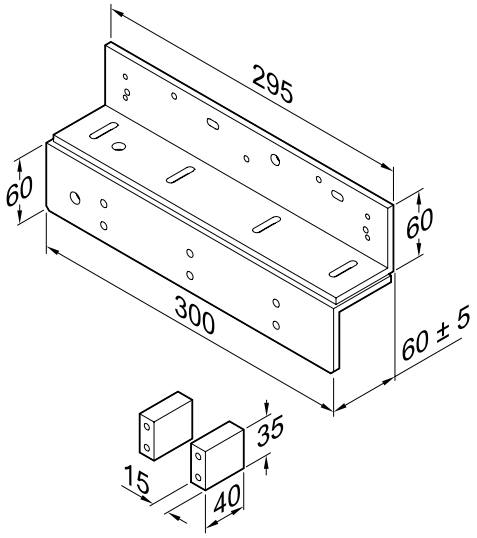
Mounting accessories for Model 827HA

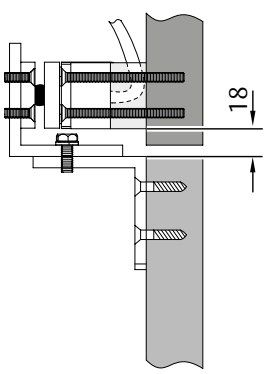
Door Fastening Installation Set Model 827-6-1

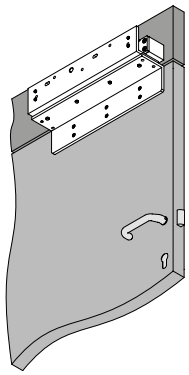
For fitting Holding Magnets 827HA onto flush-fitted door structures.

Technical attributes	
Version	Adjustable

Article / Feature	Order no.
Set	8 2 7 - 6 - 1 - - - - - - 0 0





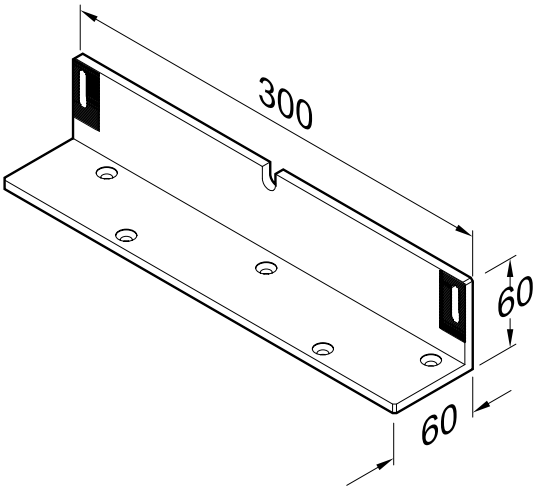


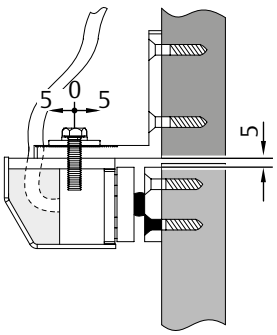
Surface L-Bracket Model 827-7

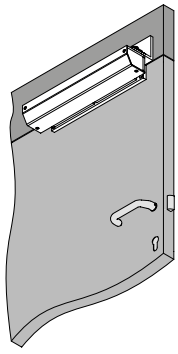
For fitting Holding Magnets 827HA onto flush-fitted door structures.

Technical attributes	
Version	Adjustable

Article / Feature	Order no.
Set	8 2 7 - 7 - - - - - - - - 0 0





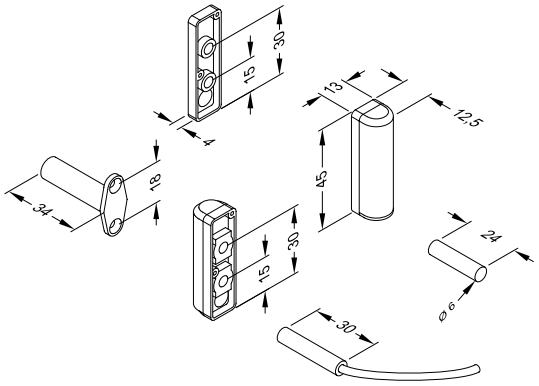


Locking elements

Mounting accessories for Model 827HA

Reed contact model 10380A VdS class A

The set consists of a round reed contact, permanent magnet, 2 flange casings, 2 surface-mounted casings and 2 spacers; it is thus suitable for surface-mounted and mortise fitting in wood or aluminium windows and doors.



Technical attributes	
Max. contact rating	200 V DC/ 500 mA/ 10 W
Max. sensing distance	15 mm
Class of protection	IP 67
VdS class	Class A
VdS-approval	G104729
Connecting cable	6 m
Number of wires	2-wire
Colour	grey white
Material housing	Plastic
Operating temperature range	0 to +40 °C
Contact resistance	0,15 Ω

Article / Feature	Order no.
Normal open	**1 0 3 8 0 A - 6 - - - - - 0 0**

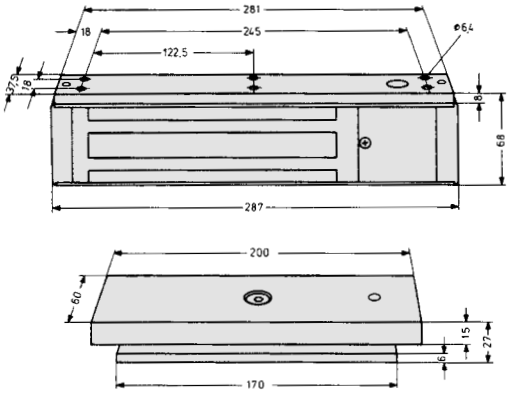
Locking elements
Holding Magnet Model 828

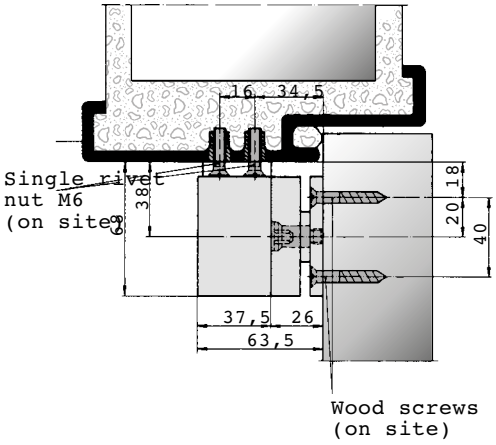
Holding Magnet Model 828

Holding magnets are suitable for securing doors using an electro-magnetic system. They are easy to install, as there is no need to make modifications or cut-outs in door frames. Electro-Magnet 828 contains an integrated contact to monitor locking status (Hall effect sensor).

Technical attributes	
Continous duty	100 % ED
Holding force	5000 N
Width of holding magnet	287 mm
Height of holding magnet	68 mm
Length of holding magnet	37,5 mm
Counterplate width	200 mm
Height of counterplate	60 mm
Counterplate length	27 mm
Rated current consumption 12 V DC	630 mA
Rated current consumption 24 V DC	315 mA
Input operating voltage	24 V DC / 12 V DC

Article / Feature	Order no.
neutral anodized	8 2 8 - - - - - - - 4 4 F 9 0



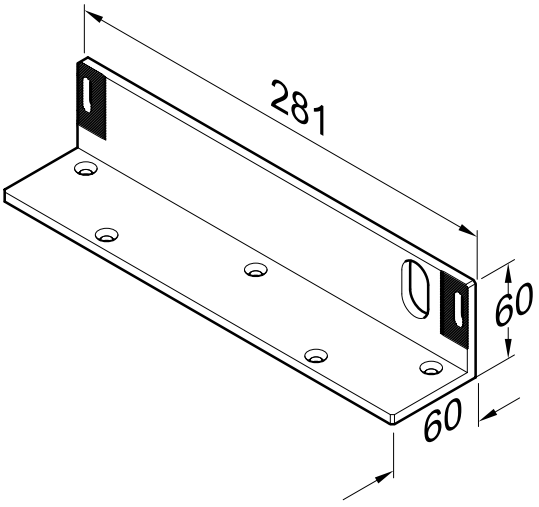


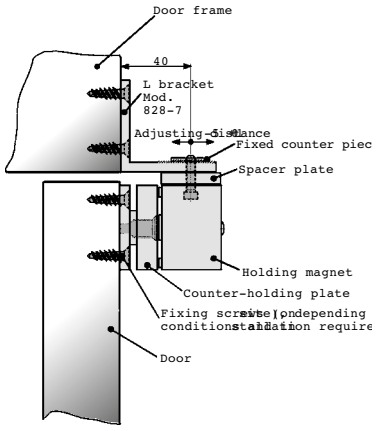
L-Bracket Model 828-7

For fitting Holding Magnets 827A and 828 onto flush-fitted door structures.

Technical attributes	
Height	60 mm
Width	281 mm
Depth	60 mm

Article / Feature	Order no.
1 set	8 2 8 - 7 - - - - - - - - 0 0





Locking elements

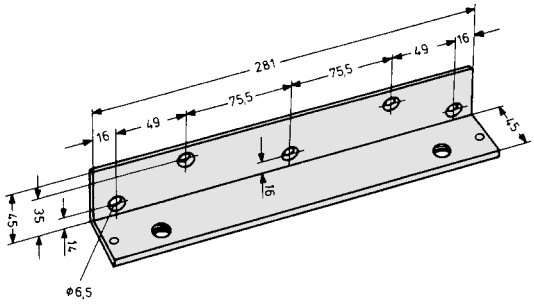
Mounting accessories for Model 828

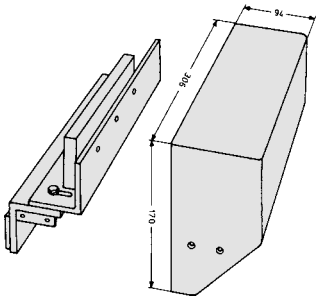
Z-Bracket Model 828-6

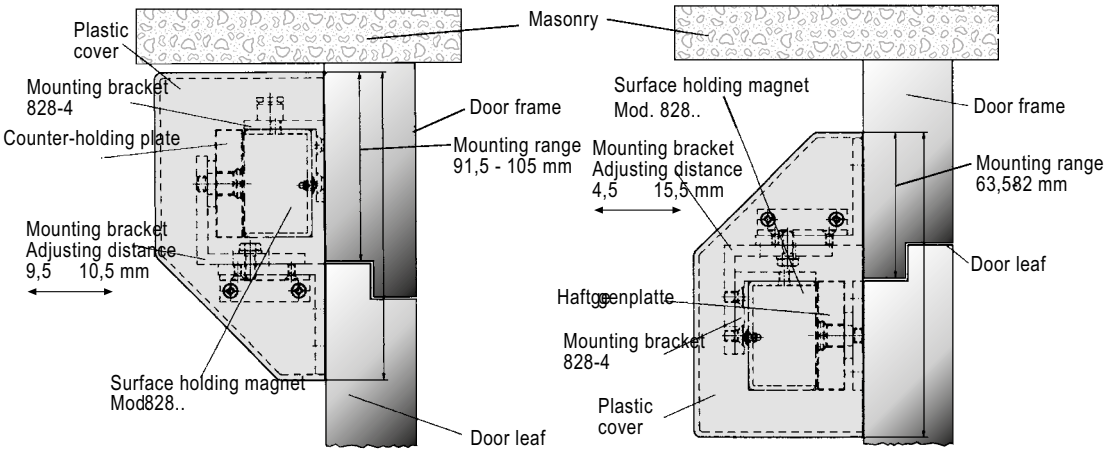
For fitting Holding Magnets 827A and 828 onto flush-fitted door structures.

Technical attributes	
Height	170 mm
Width	306 mm
Depth	94 mm

Article / Feature	Order no.
1 set	8 2 8 - 6 - - - - - - - - - 4 4





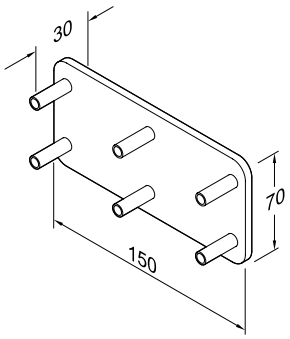


Counter Fitting Bracket 828-5

Counter fitting brackets 828-5 enable seamless screw joints to be fitted onto wood doors. This leads to greater stability when fastening holder strike plates to wood doors (not suitable for fire doors).

Technical attributes	
Height	70 mm
Width	150 mm
Depth	5 mm

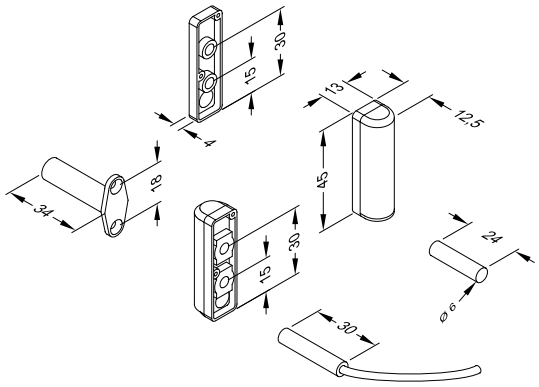
Article / Feature	Order no.
1 set	8 2 8 - 5 - - - - - - - - - 4 4



Locking elements
Accessories

Reed contact model 10380A VdS class A

The set consists of a round reed contact, permanent magnet, 2 flange casings, 2 surface-mounted casings and 2 spacers; it is thus suitable for surface-mounted and mortise fitting in wood or aluminium windows and doors.



Technical attributes	
Max. contact rating	200 V DC/ 500 mA/ 10 W
Max. sensing distance	15 mm
Class of protection	IP 67
VdS class	Class A
VdS-approval	G104729
Connecting cable	6 m
Number of wires	2-wire
Colour	grey white
Material housing	Plastic
Operating temperature range	0 to +40 °C
Contact resistance	0,15 Ω

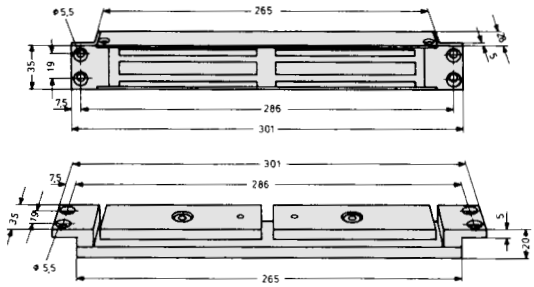
Article / Feature	Order no.
Normal open	**1 0 3 8 0 A - 6 - - - - - 0 0**

Locking elements

Compact Holding Magnet Model 827H

Compact Holding Magnet Model 827H

Holding magnet in compact design which provides a concealed securing system for doors along escape routes. Inherently stable aluminium housing for flush mount, including holder counterplate. A monitoring contact, such as Model 10380A, is not included in the supplied package.



Technical attributes	
Continous duty	100 % ED
Holding force	2500 N
Connecting cable	4 m
Colour	neutral anodized
Length of holding magnet	301 mm
Width of holding magnet	28 mm
Height of holding magnet	35 mm
Length of mating component	301 mm
Width of mating component	20 mm
Height of mating component	35 mm
Rated current consumption 12 V DC	500 mA
Rated current consumption 24 V DC	250 mA
Input operating voltage	24 V DC / 12 V DC

Article / Feature	Order no.
Built-in fitting, hall sensor	**8 2 7 H - - - - - - 4 4 F 9 0**

Accessory Bag Model 827ZB-M

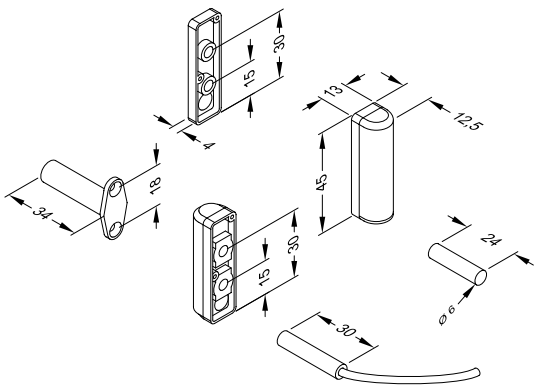
Mounting spacer plates, 10 units, 0.5 mm for Counter Holding Plate Model 827.

Technical attributes	
Thick spacer plates	0.5 mm

Article / Feature	Order no.
Accessory bag	**8 2 7 Z B - M - - - - - - 0 0**

Reed contact model 10380A VdS class A

The set consists of a round reed contact, permanent magnet, 2 flange casings, 2 surface-mounted casings and 2 spacers; it is thus suitable for surface-mounted and mortise fitting in wood or aluminium windows and doors.



Technical attributes	
Max. contact rating	200 V DC/ 500 mA/ 10 W
Max. sensing distance	15 mm
Class of protection	IP 67
VdS class	Class A
VdS-approval	G104729
Connecting cable	6 m
Number of wires	2-wire
Colour	grey white
Material housing	Plastic
Operating temperature range	0 to +40 °C
Contact resistance	0,15 Ω

Article / Feature	Order no.
Normal open	**1 0 3 8 0 A - 6 - - - - - 0 0**

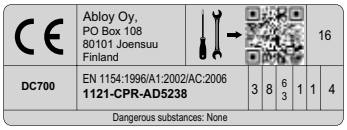
Locking elements
Door closer Model DC700G-FT

ASSA ABLOY DC700G-FT

ASSA ABLOY door closer with Cam-Motion® technology, extended mounting plate and integrated latch bolt, extended guide rail with integrated escape door strike
Suitable for retrofit to fire doors with guide rail door closers and fastening using drilling template acc. to DIN EN 1154, Supplementary Sheet 1:2003-11
Suitable for fire and smoke protection doors
Certified in compliance with EN 1154, size 3-6
Escape door strike 332®, tested in compliance with the guideline for electrical locking systems for doors along escape routes
For single leaf doors, doors between 850 - 1200 mm wide

Characteristic of DC700G-FT

- Integrated escape door strike 332® in extended guide rail
- Integrated latch bolt 807 on extended mounting plate
- With 4 m connecting cable
- Flush or surface installation of wiring possible
- Suitable for fire and smoke protection doors
- Suitable for left and right handed doors
- Standard installation on hinge side
- Variable adjustable closing force
- Closing speed, latching speed and backcheck continuously adjustable
- Thermodynamic valves for consistent performance
- Axis continuously height adjustable up to 14 mm
- Standard colours: silver EV1, stainless steel

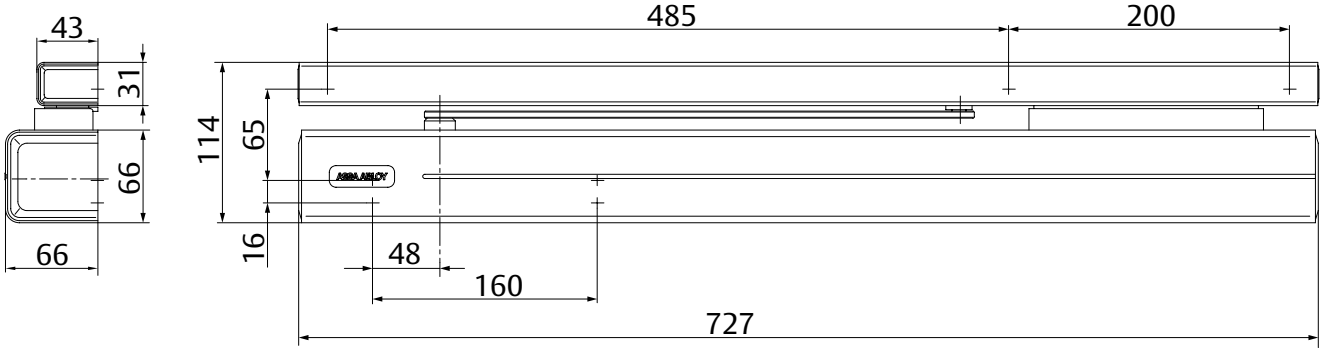


Characteristics of escape door locking system

- Holding force of 2000 N
- Latch position continuously adjustable between 12 mm and 17 mm
- Latch position adjustable horizontally between -3 mm and +6 mm
- Latch bolt can be adjusted vertically in 4 mm increments (-4/ 0/ +4/ +8)
- Escape door strike using FaFix®, adjustable by 2 mm (0.5 mm steps)

Characteristics of guide rail

- Height-adjustable by 2 mm for tolerance
- Concealed fastening screws



Locking elements

Door closer Model DC700G-FT

Technical attributes	
Closing force	EN 3-6
Door width up to	850 - 1200 mm
Suitable for fire doors	Yes
Handing	Left / right handed
Mounting method	Standard installation on hinge side
Closing speed	Variable between 160°-10°
Latching speed	Variable between 10°-0°
Backcheck	Variable above 75°
Max. door opening angle hinge side	ca. 170°
Weight	8.2 kg
Dimension body	727 x 66 x 66 mm
Dimension guide rail	727 x 30 x 43.5 mm
Certified in compliance with	EN 1154
CE marking for building products	Yes
Escape door strike	
Holding force	2000 N
Rated voltage	12 V DC / 24 V DC
Rated current	190 mA / 12 V; 95 mA / 24 V
Rated operational voltage tolerance	+/- 10 %
Operating temperature range	-15 °C to +40 °C
Anchor contact	Yes
Certified in compliance with	EltVTR
Approved system in compliance with EltVTR	Escape route controller

You can find the complete specification on the internet at: www.assaabloy.de

ASSA ABLOY DC700G-FT

ASSA ABLOY door closer with Cam-Motion® technology; extended mounting plate and integrated latch bolt, guide rail with integrated effeff escape door strike 332®, 24V DC.

- Closing force continuously adjustable, EN size 3-6
- Door closer approved in line with EN 11544, with CE mark
- Escape door strike tested in compliance with the guideline for electrical locking systems for doors along escape routes
- Closing speed, latching speed and backcheck continuously adjustable
- Suitable for fire and smoke protection doors
- Recommended door width: at least 850 mm - max. 1200 mm
- Latch position continuously adjustable between 12 mm and 17 mm
- Latch position adjustable horizontally between -3 mm and +6 mm
- Latch bolt can be adjusted vertically in 4 mm increments (-4/ 0/ +4/ +8)
- Escape door strike using FaFix®, adjustable by 2 mm
- Suitable for left and right handed doors
- Standard installation on hinge side

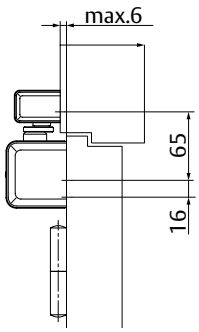
Accessories:

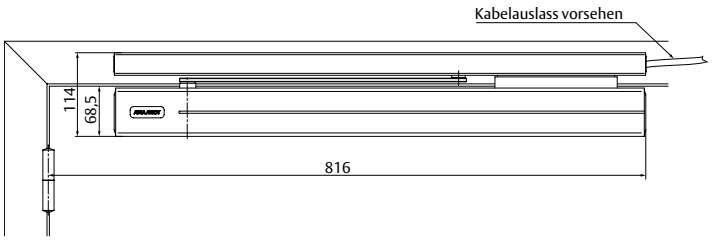
- ☐ 5 mm Spacer Plate (narrow rebate) DCFA01
- ☐ 15 mm Spacer Plate (wide rebate) DCFA02
- ☐ Replacement plate, 5 mm, for Drilling Template DCFA03
- ☐ Replacement plate, 15 mm, for External Drilling Template DCFA04
- ☐ Mounting / replacement plate, 5 mm, for Narrow Frame DCFA05
- ☐ Mounting / replacement plate, 15 mm, for Narrow Frame DCFA06
- ☐ Mechanical opening damper A188

Colour:

- ☐ Silver EV1
- ☐ Stainless steel

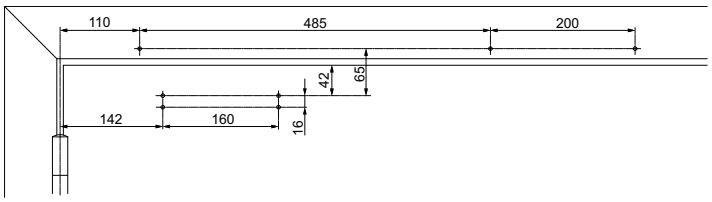
Locking elements
Door closer Model DC700G-FT





Space required on doors for standard mounting on hinge side

Left handed shown in diagram
Right handed is the reverse

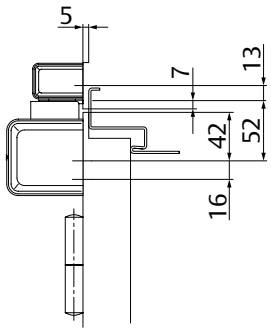


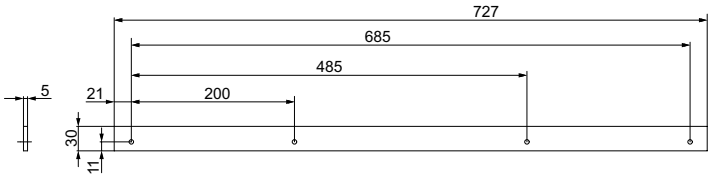
Installation dimensions in compliance with EN 1154 Supplementary Sheet 1; standard hinge-side mounting

Left handed shown in diagram
Right handed is the reverse

Notice

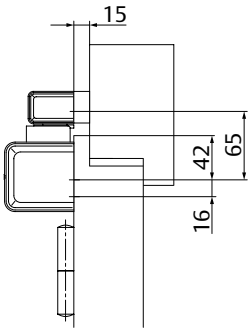
The positions of the locking components on the guide rail and mounting plate are designed in such a way that escape door strikes and latch bolt are correctly aligned when installed in a flush position (flush-fitted doors).
Adjustment option on electric strike (FaFix®) of +/- 1 mm and latch bolt lock of +6/-3 mm mean that smaller differences in measurements can be compensated for.
In the case of doors with an overlapping door leaf (narrow or wide rebate), the following spacer plates must be used to ensure that the guide rail and mounting plate are in a flush position when on top of one another.

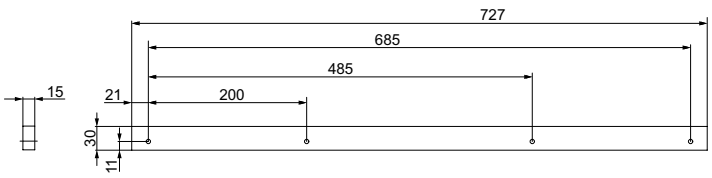




Spacer Plate DCFA01

For shimming guide rails over ASSA ABLOY drilling pattern. For use on narrow-rebate doors with a max. door leaf overlap of 8 mm.



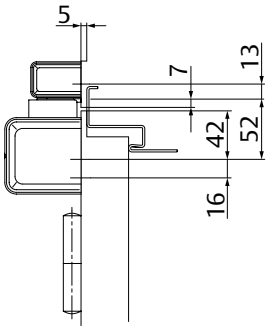


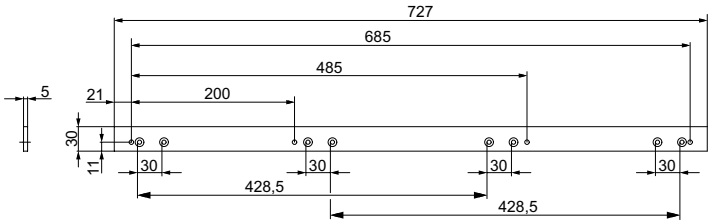
Spacer Plate DCFA02

For shimming guide rails over ASSA ABLOY drilling pattern. For use on wide-rebate doors with a max. door leaf overlap of 18 mm.

Locking elements

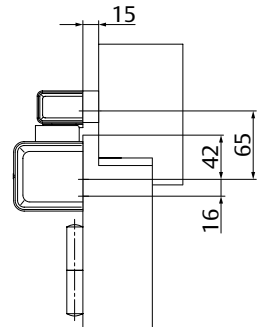
Door closer Model DC700G-FT

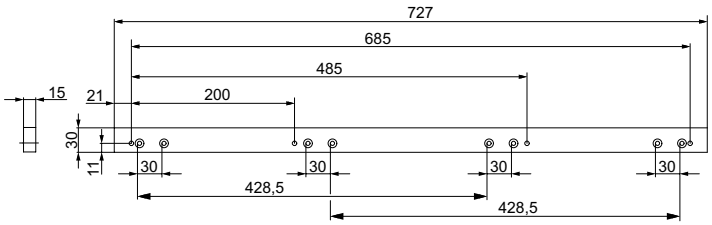




Replacement Plate DC-FA03

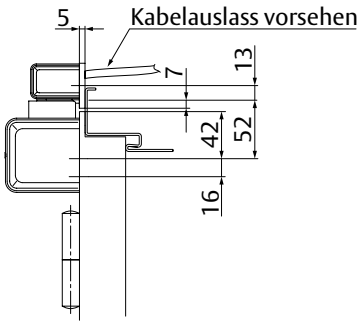
For mounting guide rail over existing drill holes, for flush-fit doors and narrow rebate doors with door leaf overlap up to 8 mm.

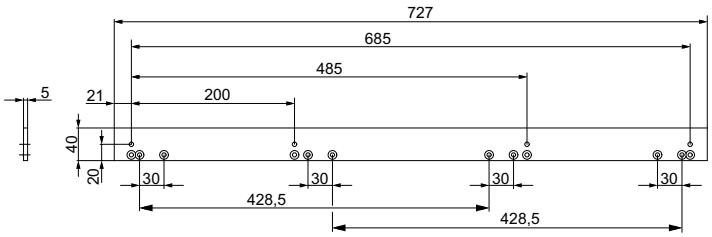




Replacement Plate DC-FA04

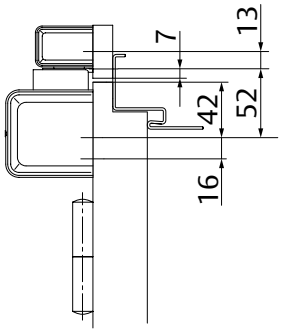
For mounting guide rail over existing drilling pattern, for wide-rebate doors with door leaf overlap up to 18 mm.

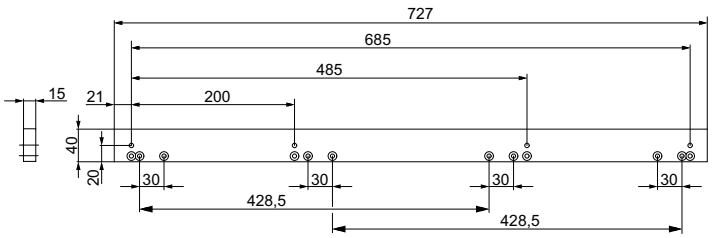




Mounting and Replacement Plate DCFA05

Mounting plate for narrow frames. For mounting over ASSA ABLOY drilling pattern and over existing drill holes when the guide rail is replaced. For use on narrow-rebate doors with a max. door leaf overlap of 8 mm





Mounting and Replacement Plate DCFA06

Mounting plate for narrow frames. For mounting over ASSA ABLOY drilling pattern and over existing drill holes when the guide rail is replaced. For use on wide-rebate doors with a max. door leaf overlap of 18 mm.

Opening damper A188

Helps to prevent the door and door handle from hitting a return wall.
Simple installation in the guide rail, but doesn´t replace the need for a door stop

Locking elements

Door closer Model DC700G-FT

Designation / Item	Order no.
Security Door Closer Model DC700G-FT, complete, 24V DC, silver EV1	DC700FT0-FDEV1-
Sicherheitstürschließer Modell DC700G-FT, komplett, 24 VDC, Edelstahl-Design	DC700FT0-FD35--
Security Door Closer Model DC700G-FT, complete, 12V DC, silver EV1	DC700FT0-EDEV1-
Security Door Closer Model DC700G-FT, complete, 12V DC, stainless steel, ASSA ABLOY design	DC700FT0-ED35--
Spacer plate 5 mm for narrow-rebate doors, silver EV1	DCFA01-----EV1-

Designation / Item	Order no.
Spacer plate 15 mm for wide-rebate doors, silver EV1	DCFA02-----EV1-
Spacer plate 5 mm for competitor's guide rail drilling template, silver EV1	DCFA03-----EV1-
Spacer plate 15 mm for guide rail drilling template, silver EV1	DCFA04-----EV1-
Mounting / replacement plate, 5 mm, for narrow frame, silver EV1	DCFA05-----EV1-
Mounting / replacement plate, 15 mm, for narrow frame, silver EV1	DCFA06-----EV1-
Opening damper A188	DCA188---------

Locking elements

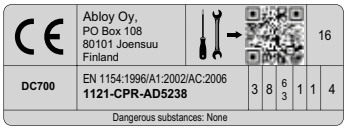
DC700G-FT BGS (non-hinge side)
Door closer with Cam-Motion® technology, incorporating integrated escape door strike, non-hinge side

ASSA ABLOY DC700G-FT BGS

Door closer with Cam-Motion® technology, incorporating extended mounting plate and integrated escape strike within extended guide rail. Mounting position non-hinge side
Suitable for retrofitting on electrical locking device on doors without fire and smoke protection.
Certified in compliance with EN 1154, size 3-6
Escape door strike 332®, tested in compliance with the guideline for electrical locking systems for doors along escape routes
For single leaf doors, doors between 850 - 1200 mm wide

Characteristic of DC700G-FT BGS

- Integrated escape door strike 332® in extended guide rail
- Integrated latch bolt 807 on extended mounting plate
- With 4 m connecting cable
- Flush or surface installation of wiring possible
- Suitable for left and right handed doors
- Standard installation on non-hinge side
- Variable adjustable closing force
- Closing speed, latching speed and backcheck continuously adjustable
- Thermodynamic valves for consistent performance
- Axis continuously height adjustable up to 14 mm
- Standard colours: silver EV1, stainless steel

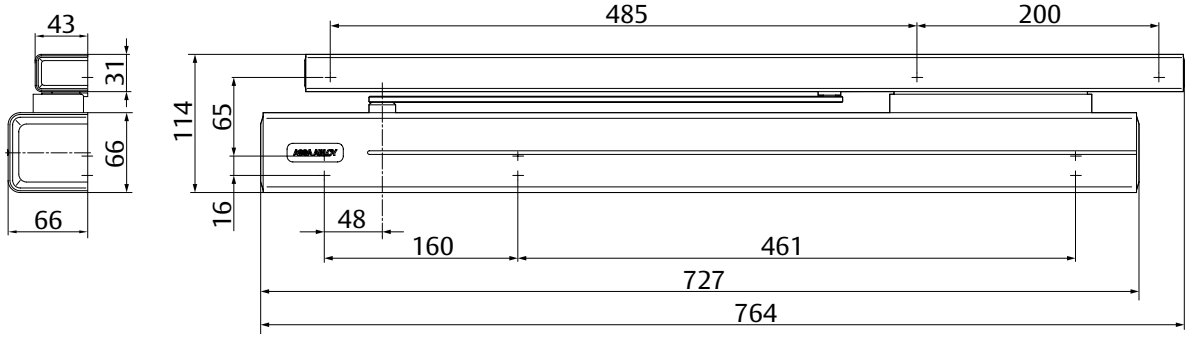


Characteristics of escape door locking system

- Holding force of 2000 N
- Latch position continuously adjustable between 12 mm and 17 mm
- Latch position adjustable horizontally between -3 mm and +6 mm
- Latch bolt can be adjusted vertically in 4 mm increments (-4/ 0/ +4/ +8)
- Escape door strike using FaFix®, adjustable by 2 mm (0.5 mm steps)

Characteristics of guide rail

- Height-adjustable by 2 mm for tolerance
- Concealed fastening screws



Locking elements
DC700G-FT BGS
Technical attributes

Technical attributes	
Closing force	EN 3-6
Door width up to	1200 mm
Handing	Left / right handed
Mounting method	Standard installation on non-hinge side
Closing speed	Variable between 160°-10°
Latching speed	Variable between 10°-0°
Backcheck	Variable above 75°
Max. door opening angle non-hinge side	Ca. 120°
Weight	8.2 kg
Dimension body	727 x 66 x 66 mm
Dimension guide rail	727 x 30 x 43.5 mm
Certified in compliance with	EN 1154
CE marking for building products	Yes
Escape door strike	
Holding force	2000 N
Rated voltage	12 V DC / 24 V DC
Rated current	190 mA / 12 V; 95 mA /24 V
Rated operational voltage tolerence	+/- 10 %
Operating temperature range	-15 °C to +40 °C
Anchor contact	not potential-free
Recovery diode	Yes
Certified in compliance with	EltVTR
Approved system in compliance with EltVTR	Escape route controller

You can find the complete specification on the internet at: www.assaabloy.de

ASSA ABLOY DC700G-FT BGS

ASSA ABLOY door closer with Cam-Motion® technology; extended mounting plate and integrated latch bolt, guide rail with integrated effeff escape door strike 332®, 24V DC.

- Closing force continuously adjustable, EN size 3-6
- Door closer approved in line with EN 11544, with CE mark
- Escape door strike tested in compliance with the guideline for electrical locking systems for doors along escape routes
- Closing speed, latching speed and backcheck continuously adjustable
- Recommended door width: at least 850 mm - max. 1200 mm
- Latch position continuously adjustable between 12 mm and 17 mm
- Latch position adjustable horizontally between -3 mm and +6 mm
- Latch bolt can be adjusted vertically in 4 mm increments (-4/ 0/ +4/ +8)
- Escape door strike using FaFix®, adjustable by 2 mm
- Suitable for left and right handed doors
- Standard installation on non-hinge side
- 14 mm height adjustable arm system for ease of fitting

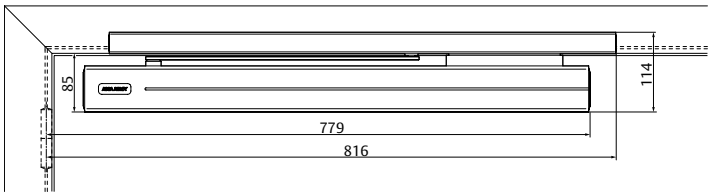
Accessories:

- ☐ Replacement plate DCFA08
- ☐ Mounting / replacement plate for Narrow Frame DCFA09
- ☐ Mechanical opening damper A188

Colour:

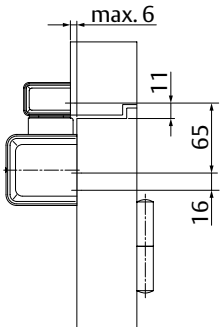
- ☐ Silver EV1
- ☐ Stainless steel

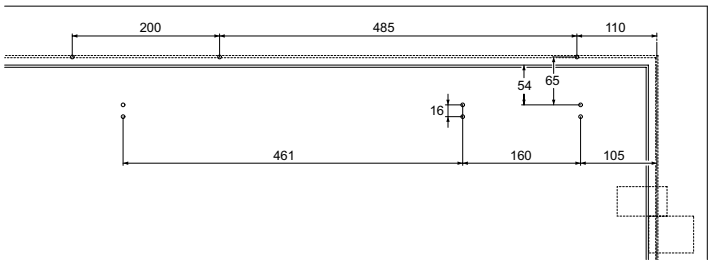
Locking elements
DC700G-FT BGS
Dimensional drawings



Space required on doors for standard mounting on non-hinge side

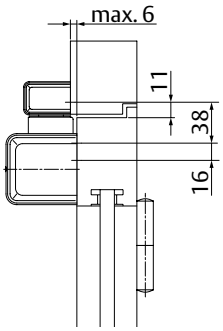
Left handed shown in diagram
Right handed is the reverse

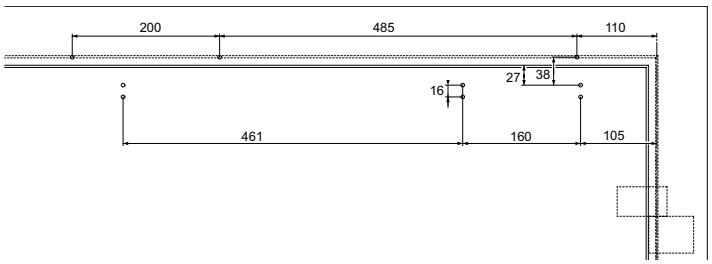




Fitting dimensions standard installation on non-hinge side

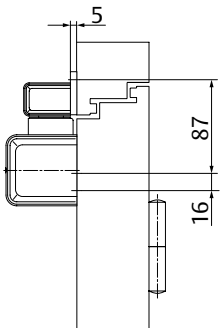
Right handed shown in diagram
Ledt handed is the reverse

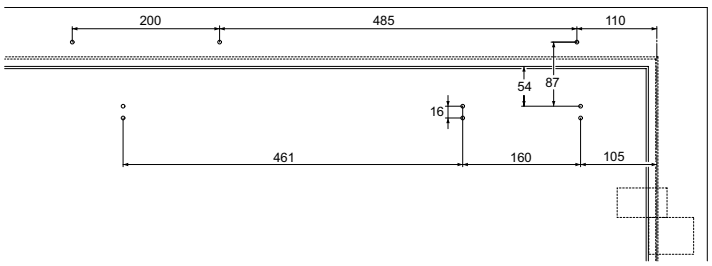




Fitting dimensions after standard installation on non-hinge side with narrow door frame

Right handed shown in diagram
Left handed is the reverse





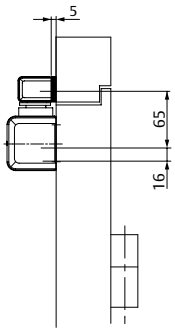
Fitting dimensions standard installation on non-hinge side with mounting plate for narrow frame

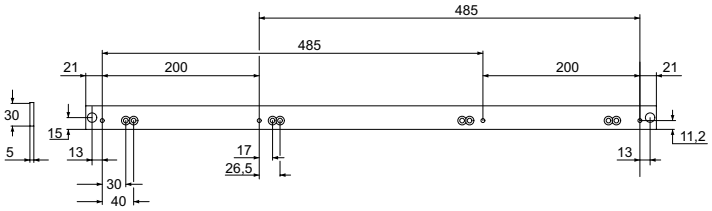
Right handed shown in diagram
Left handed is the reverse

Notice

The positions of the locking components on the guide rail and mounting plate are designed in such a way that escape door strikes and latch bolt are correctly aligned when installed in a flush position (flush-fitted doors).
Adjustment option on electric strike (FaFix®) of +/- 1 mm and latch bolt lock of +6/-3 mm mean that smaller differences in measurements can be compensated for.

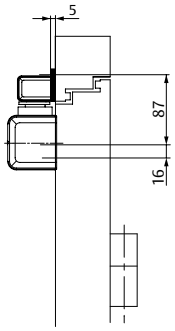
Locking elements
DC700G-FT BGS
Accessories and oder placemant information

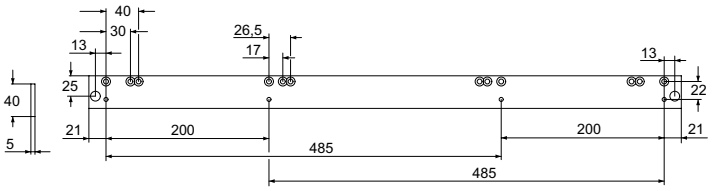




Replacement plate DC-FA08

For mounting guide rail over existing drilling template for flush-fitted doors.





Mounting and Replace-ment Plate DCFA09

Mounting plate for narrow frames or metal frame profiles.
For mounting on the ASSA ABLOY drilling template and an existing drilling template

Opening damper A188

Helps to prevent the door and door handle from hitting a return wall.
Simple installation in the guide rail, but doesn´t replace the need for a door stop

Designation / Item	Order no.
Security Door Closer Model DC700G-FT, non-hinge side, complete, 24V DC, silver EV1	**DC700FT1-FDEV1-**
Security Door Closer Model DC700G-FT, non-hinge side, complete, 24V DC, stainless steel, ASSA ABLOY design	**DC700FT1-FD35--**
Security Door Closer Model DC700G-FT, non-hinge side, complete, 12V DC, silver EV1	**DC700FT1-EDEV1-**
Security Door Closer Model DC700G-FT, non-hinge side, complete, 12V DC, stainless steel, ASSA ABLOY design	**DC700FT1-ED35--**

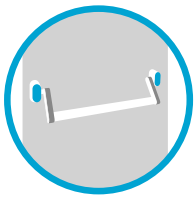
Designation / Item	Order no.
Replacement plate DCFA08, silver EV1	**DCFA08-----EV1-**
Mounting and replacement plate DCFA09, silver EV1	**DCFA09-----EV1-**
Opening damper A188	**DCA188---------**

ePED®
Emergency exit locks

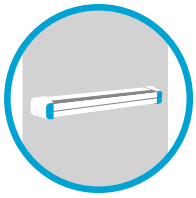
Emergency exit locks

The standard differentiates between three types of panic door lock.

- *Type A: Panic door lock with handle bar*
- *Type B: Panic door lock with push bar*



The **handle bar** is the horizontal actuating bar of a panic door lock (type A). It is designed to be fixed between two swivel arms or pivoted support brackets and operates in the direction of escape and/or in a downwards arc.



The **push bar** is the horizontal actuating bar of a panic door lock (type B). It is designed to be part of a frame or chassis or other mounting assembly and operates in the direction of escape.

An emergency exit lock in accordance with EN 179 is designed for emergencies where panic situations are not likely to arise. It is designed to enable safe and effective escape through a doorway with one single operation to release the emergency exit lock, although this may require prior knowledge of its operation.

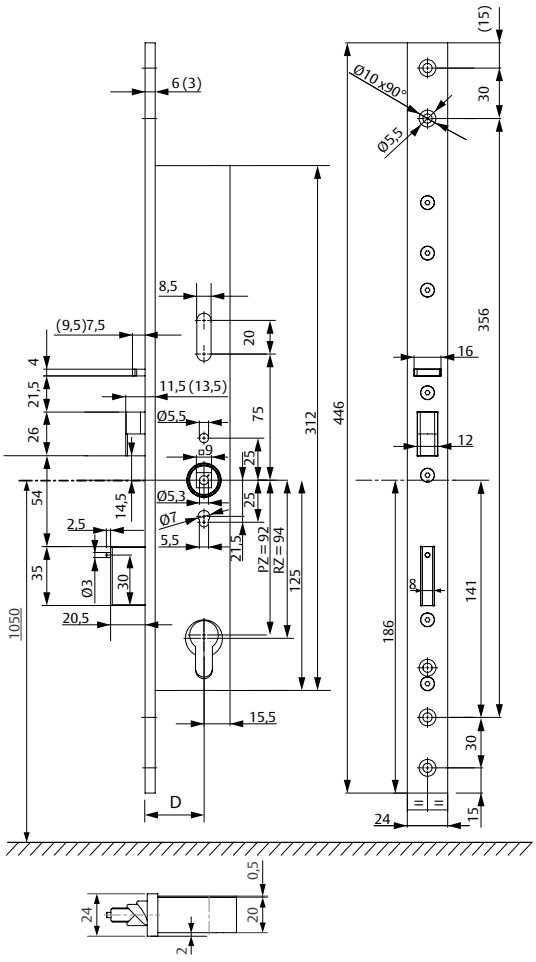
Escape door locks in accordance with EN 179 are designed for emergencies where panic situations are not likely to arise. If it is foreseeable that people may push against the door leaf in panic situations, a panic door lock in accordance with EN 1125 should be used.

Emergency exit locks are also suitable for inwards opening single-leaf escape doors, providing this is permitted in the local building regulations.

Mechanical panic security lock 309N

The versions: Data & dimensions

Technical specifications	
Backset	35, 40, 45, 55, 65, 80 mm
Handle follower	9 mm
Distance	92 mm (prepared for Euro profile cylinder), 94 mm (prepared for Swiss round cylinder)
Bolt throw	20 mm
Dimensions housing (L x W x H)	312 x 20 x backset + 15.5 mm
Dimensions face plate	446 x 24 x 6 mm
Material face plate	Steel, chrome-plated
Side deadbolt stress according to EN 12209	20,000 N
Deadbolt counterforce according to EN 12209	6,000 N
Certified in compliance with	EN 179 / EN 1125



Panic security lock 309NB / 309NE

The 309N is a self-activating panic lock for single-leaf doors. It fulfills the requirements for burglary-resistant doors, fire doors, emergency exit doors and panic doors in accordance with EN 179 and EN 1125. A mechanical sequence control system reliably prevents unwanted extension of the bolt when the door is open. The lock can be used universally for DL/DR with a universal double action latch and switchable control latch. The outwards or inwards opening panic side is also reversible.

Panic function	Single-leaf
B	309NB
E	309NE

Mechanical panic security lock 309N
Euro profile cylinder and Swiss round cylinder

Panic security lock 309N
Euro profile cylinder, EN 179 & EN 1125, follower 9 mm, distance 92 mm

Backset (D)	
35 mm	0
40 mm	1
45 mm	2
55 mm	4
65 mm	6
80 mm	8

Directions	
DIN L/R	0
Panic side switchable between DIN L/R	4

Article	Face plate shape	Face plate length	Panic function	
Panic security lock, mechanical	F6 x 24 mm	446 mm	B	309NB001*540000
Panic security lock, mechanical	F6 x 24 mm	446 mm	E	309NE001*500000

Note:
Striking plate must be ordered separately.

Panic security lock 309N
Swiss round cylinder, EN 179 & EN 1125, follower 9 mm, distance 94 mm

Backset (D)	
35 mm	0
40 mm	1
45 mm	2
55 mm	4
65 mm	6
80 mm	8

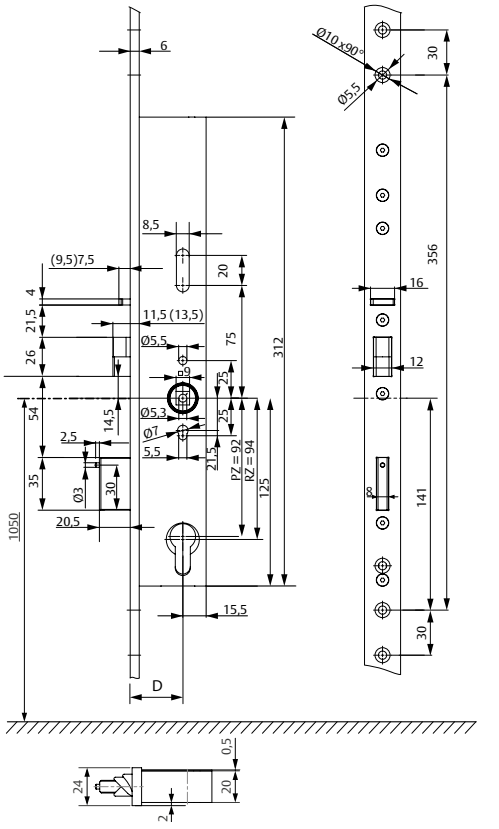
Directions	
DIN L/R	0
Panic side switchable between DIN L/R	4

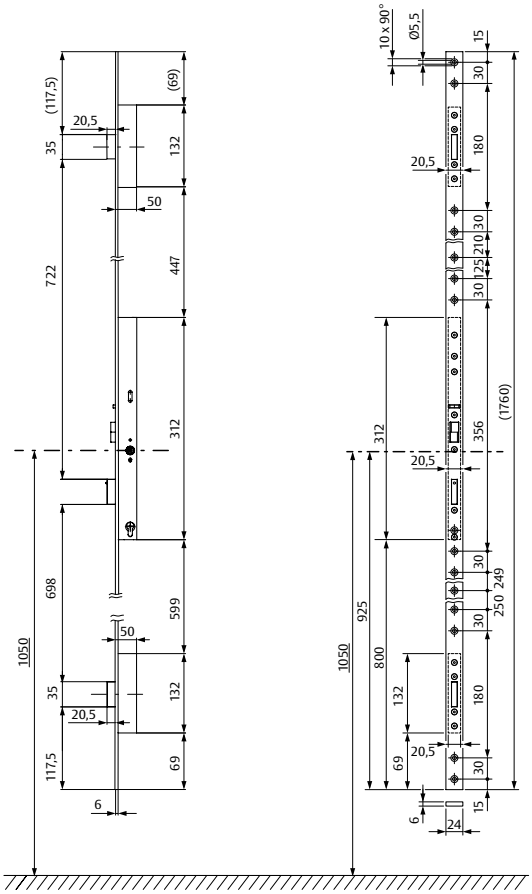
Article	Face plate shape	Face plate length	Panic function	
Panic security lock, mechanical	F6 x 24 mm	446 mm	B	309NB001*940000
Panic security lock, mechanical	F6 x 24 mm	446 mm	E	309NE001*900000

Note:
Striking plate must be ordered separately.

Mechanical panic security multi-point lock 319N

The versions: Data & dimensions





Technical specifications	
Backset	35, 40, 45, 55, 65, 80 mm
Handle follower	9 mm
Distance	92 mm (prepared for Euro profile cylinder), 94 mm (prepared for Swiss round cylinder)
Bolt throw	20 mm
Dimensions housing (L x W x H)	312 x 20 x backset + 15.5 mm
Dimensions face plate	1760 x 24 x 6 mm
Material face plate	Steel, chrome-plated
Side deadbolt stress according to EN 12209	20,000 N
Deadbolt counterforce according to EN 12209	6,000 N
Certified in compliance with	EN 179 / EN 1125

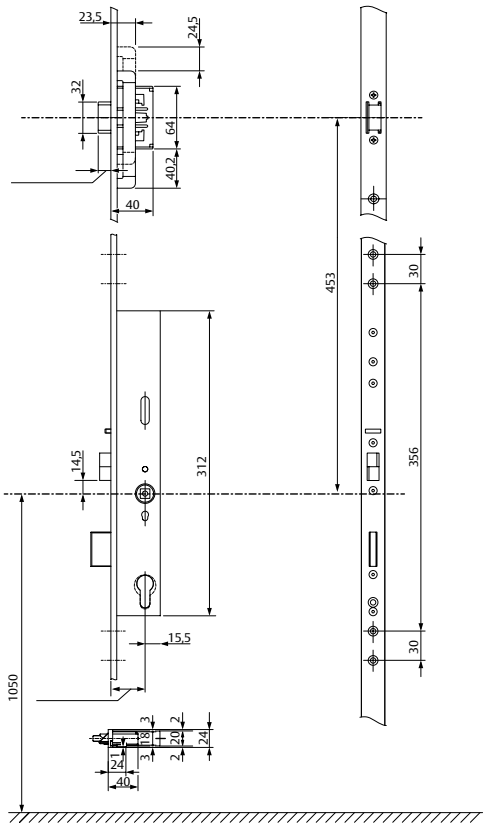
Panic security multi-point lock 319NE / 319NB

The 319N is a self-activating panic lock with multi-point lock for single-leaf doors. It fulfills the requirements for burglary-resistant doors, fire doors, emergency exit doors and panic doors in accordance with EN 179 and EN 1125. A mechanical sequence control system reliably prevents unwanted extension of the bolt when the door is open. The lock can be used universally for DL/DR with a universal double action latch and switchable control latch.

Panic function	Single-leaf
B	319NB
E	319NE

Mechanical panic security multi-point lock, 319N

The versions: Data & dimensions



Panic security multi-point lock 319NX with integrated latch lock

The 319N is a self-activating panic lock with multi-point lock for single-leaf doors. It fulfills the requirements for burglary-resistant doors, fire doors, emergency exit doors and panic doors in accordance with EN 179 and EN 1125. A mechanical sequence control system reliably prevents unwanted extension of the bolt when the door is open. The lock can be used universally for DL/DR with a universal double action latch, switchable control latch and reversible latch lock. A latch lock also integrated in the face plate acts as the mating component for use with an escape door strike as an escape door lock.

Panic function	Single-leaf
B	319NB
E	319NE

Mechanical panic security multi-point lock 319N

With panic function, Euro profile cylinder and Swiss round cylinder

Panic security multi-point lock 319N

Euro profile cylinder, EN 179 & EN 1125, follower 9 mm, distance 92 mm

Backset (D)		Directions	
35 mm	0	DIN L/R	0
40 mm	1	Panic side switchable between DIN L/R	4
45 mm	2		
55 mm	4		
65 mm	6		
80 mm	8		

Article	Face plate shape	Face plate length	Panic function	
Panic security multi-point lock, self-activating, mechanical	F6 x 24 mm	1760 mm	B	319NB001*540000
Panic security multi-point lock, self-activating, mechanical	F6 x 24 mm	1760 mm	E	319NE001*500000
Panic security multi-point lock, self-activating, mechanical with latch lock	F6 x 24 mm	1760 mm	B	319NB0F1*540000
Panic security multi-point lock, self-activating, mechanical with latch lock	F6 x 24 mm	1760 mm	E	319NE0F1*500000

Note:
Striking plate must be ordered separately.

- - - Latch lock optional

Panic security multi-point lock 319N

Swiss round cylinder, EN 179 & EN 1125, follower 9 mm, distance 94 mm

Backset (D)		Directions	
35 mm	0	DIN L/R	0
40 mm	1	Panic side switchable between DIN L/R	4
45 mm	2		
55 mm	4		
65 mm	6		
80 mm	8		

Article	Face plate shape	Face plate length	Panic function	
Panic security multi-point lock, self-activating, mechanical	F6 x 24 mm	1760 mm	B	319NB001*940000
Panic security multi-point lock, self-activating, mechanical	F6 x 24 mm	1760 mm	E	319NE001*900000
Panic security multi-point lock, self-activating, mechanical with latch lock	F6 x 24 mm	1760 mm	B	319NB0F1*940000
Panic security multi-point lock, self-activating, mechanical with latch lock	F6 x 24 mm	1760 mm	E	319NE0F1*900000

Note:
Striking plate must be ordered separately.

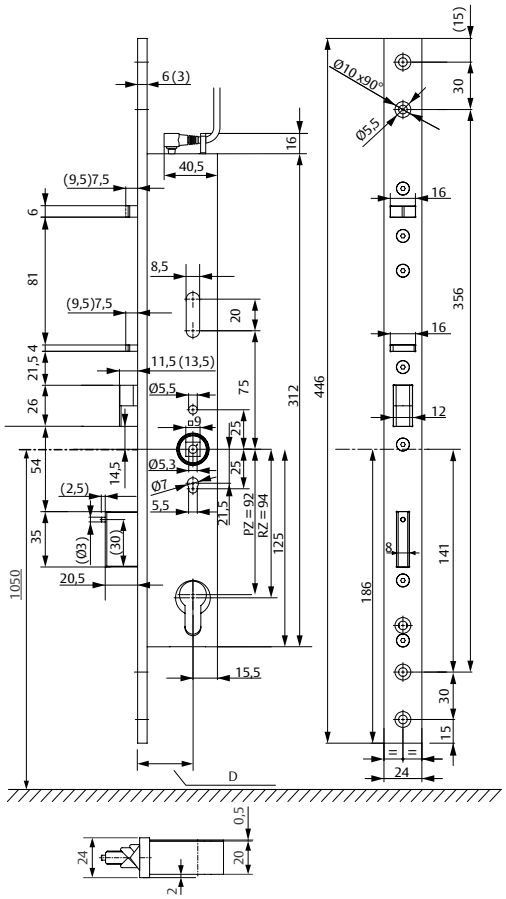
- - - Latch lock optional

Motorized panic security lock 509N

The versions: Data & dimensions

Electrical data	
Rated operating voltage	24 V DC +/- 15%
Rated current consumption locked in idle state motor active	 50 mA max. 2.2 A (<1.5 sec.)

Technical specifications	
Backset	35, 40, 45, 55, 65, 80 mm
Handle follower	9 mm
Distance	92 mm (prepared for Euro profile cylinder), 94 mm (prepared for Swiss round cylinder)
Bolt throw	20 mm
Dimensions housing (L x W x H)	328 x 20 x backset + 15.5 mm
Dimensions face plate (L x W x D):	446 x 24 x 6 mm
Material face plate	Steel, chrome-plated
Side deadbolt stress according to EN 12209	20,000 N
Deadbolt counterforce according to EN 12209	6,000 N
Certified in compliance with	EN 179, EN 1125



Motorized security lock 509N

The 509N is a self-activating panic lock with motorized drive for single-leaf doors. It fulfills the requirements for burglary-resistant doors, fire doors, emergency exit doors and panic doors in accordance with EN 179 and EN 1125. A mechanical sequence control system reliably prevents unwanted extension of the bolt when the door is open. The lock can be used universally for DL/DR with a universal double action latch and switchable control latch.
Integrated electronic control device for external triggering or connection to the ASSA ABLOY Hi/O bus system.
Integrated monitoring functions via contactless sensors for status query via the external OneSystem IO module:
- Door status via striking plate contact
- Bolt retracted and bolt extended
- Cylinder monitoring
- Handle follower monitoring

Model
509NE

Accessories	Order no.
Connecting cable 10 m	N595500100000000
IO module	N595000000000000
Power supply	1003-24-4----10

Motorized panic security lock 509N

With panic function, Euro profile cylinder and Swiss round cylinder

Motorized panic security lock 509NE

Euro profile cylinder, EN 179 & EN 1125, follower 9 mm, distance 92 mm

Backset (D)		Directions	
35 mm	0	DIN L/R	0
40 mm	1		
45 mm	2		
55 mm	4		
65 mm	6		
80 mm	8		

Article	Face plate shape	Face plate length	Panic function	
Motorized panic security lock	F6 x 24 mm	446 mm	E	509NE001*500000

Note:
Connecting cable and striking plate must be ordered separately.

Motorized panic security lock 509NE

Swiss round cylinder, EN 179 & EN 1125, follower 9 mm, distance 94 mm

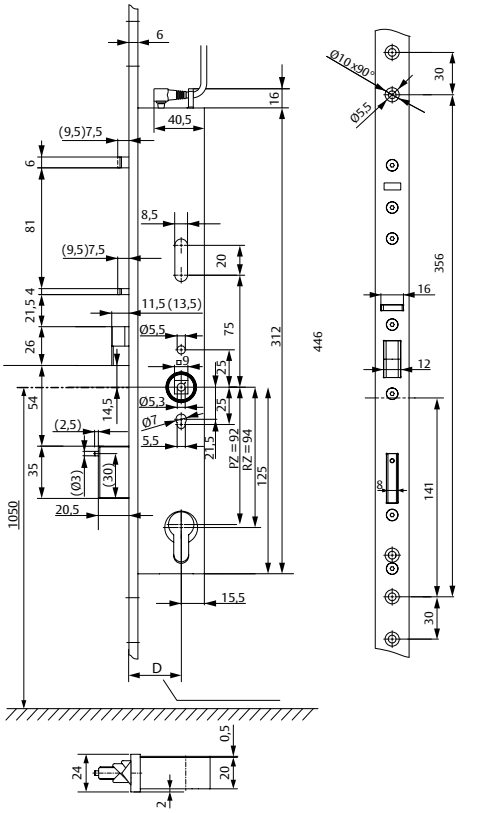
Backset (D)		Directions	
35 mm	0	DIN L/R	0
40 mm	1		
45 mm	2		
55 mm	4		
65 mm	6		
80 mm	8		

Article	Face plate shape	Face plate length	Panic function	
Motorized panic security lock	F6 x 24 mm	446 mm	E	509NE001*900000

Note:
Connecting cable and striking plate must be ordered separately.

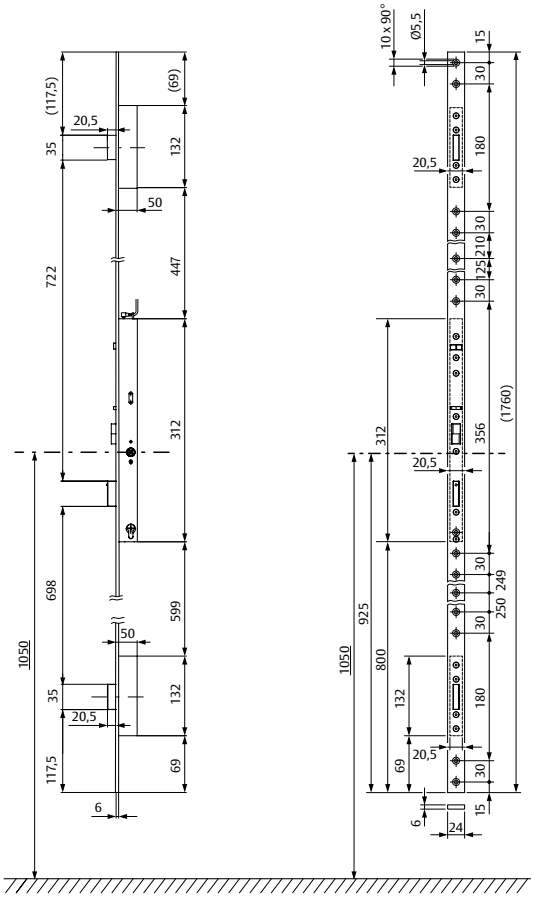
Motorized panic security multi-point lock, 519N

The versions: Data & dimensions



Electrical data	
Rated operating voltage	24 V DC +/- 15%
Rated current consumption locked in idle state motor active	 50 mA max. 2.2 A (<1.5 sec.)

Technical specifications	
Backset	35, 40, 45, 55, 65, 80 mm
Handle follower	9 mm
Distance	92 mm (prepared for Euro profile cylinder), 94 mm (prepared for Swiss round cylinder)
Bolt throw	20 mm
Dimensions housing (L x W x H)	328 x 20 x backset + 15.5 mm
Dimensions face plate (L x W x D):	1760 x 24 x 6 mm
Material face plate	Steel, chrome-plated
Side deadbolt stress according to EN 12209	20,000 N
Deadbolt counterforce according to EN 12209	6,000 N
Certified in compliance with	EN 179, EN 1125



Motorized multi-point lock 519NE

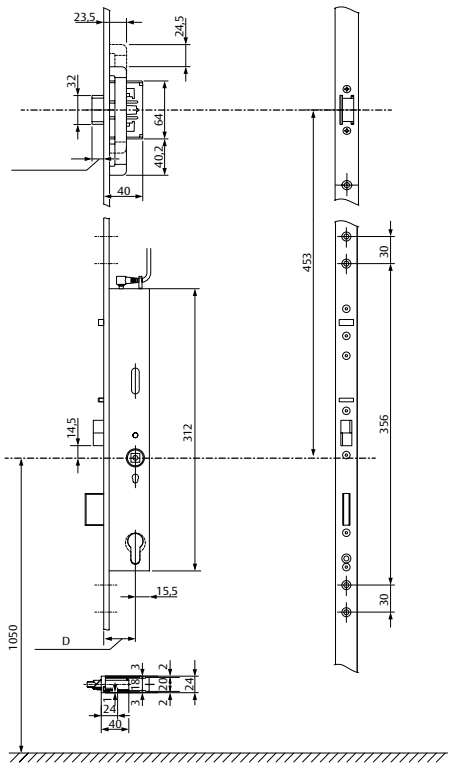
The 519N is a self-activating panic lock with multi-point lock and motorized drive for single-leaf doors. It fulfills the requirements for burglary-resistant doors, fire doors, emergency exit doors and panic doors in accordance with EN 179 and EN 1125. A mechanical sequence control system reliably prevents unwanted extension of the bolt when the door is open. The lock can be used universally for DL/DR with a universal double action latch and switchable control latch.
Integrated electronic control device for external triggering or connection to the ASSA ABLOY Hi/O bus system.
Integrated monitoring functions via contactless sensors for status query via the external OneSystem IO module:
- Door status via striking plate contact
- Bolt retracted and bolt extended
- Cylinder monitoring
- Handle follower monitoring

Model
519NE

Accessories	Order no.
Connecting cable 10 m	N595500100000000
IO module	N595000000000000
Power supply	1003-24-4----10

Motorized panic security multi-point lock, 519N

The versions: Data & dimensions



Motorized multi-point lock 519NE with latch lock

The 519N is a self-activating panic lock with multi-point lock and motorized drive for single-leaf doors. It fulfills the requirements for burglary-resistant doors, fire doors, emergency exit doors and panic doors in accordance with EN 179 and EN 1125. In contrast to the standard version 519NE, an additional latch lock is integrated in the face plate. It acts as the mating component for use with an escape door strike as an escape door lock.

Model
519NE

Further accessories can be found under accessories.

Accessories	Order no.
Connecting cable 10 m	N 5 9 5 5 0 0 1 0 0 0 0 0 0
IO module	N 5 9 5 0 0 0 0 0 0 0 0 0 0
Power supply	1 0 0 3 - 2 4 - 4 - - - - 1 0

Motorized panic security multi-point lock, 519N
Euro profile cylinder and Swiss round cylinder

Motorized panic security multi-point lock 519NE

Euro profile cylinder, EN 179 & EN 1125, follower 9 mm, distance 92 mm

Backset (D)		Directions	
35 mm	0	DIN L/R	0
40 mm	1		
45 mm	2		
55 mm	4		
65 mm	6		
80 mm	8		

Article	Face plate shape	Face plate length	Panic function	
Motorized panic security multi-point lock	F6 x 24 mm	1760 mm	E	519NE001*500000
Motorized panic security multi-point lock with latch lock	F6 x 24 mm	1760 mm	E	519NE0F1*500000

Note:
Connecting cable and striking plate must be ordered separately.

- - - Latch lock optional

Motorized panic security multi-point lock 519NE

Swiss round cylinder, EN 179 & EN 1125, follower 9 mm, distance 94 mm

Backset (D)		Directions	
35 mm	0	DIN L/R	0
40 mm	1		
45 mm	2		
55 mm	4		
65 mm	6		
80 mm	8		

Article	Face plate shape	Face plate length	Panic function	
Motorized panic security multi-point lock	F6 x 24 mm	1760 mm	E	519NE001*900000
Motorized panic security multi-point lock with latch lock	F6 x 24 mm	1760 mm	E	519NE0F1*900000

Note:
Connecting cable and striking plate must be ordered separately.

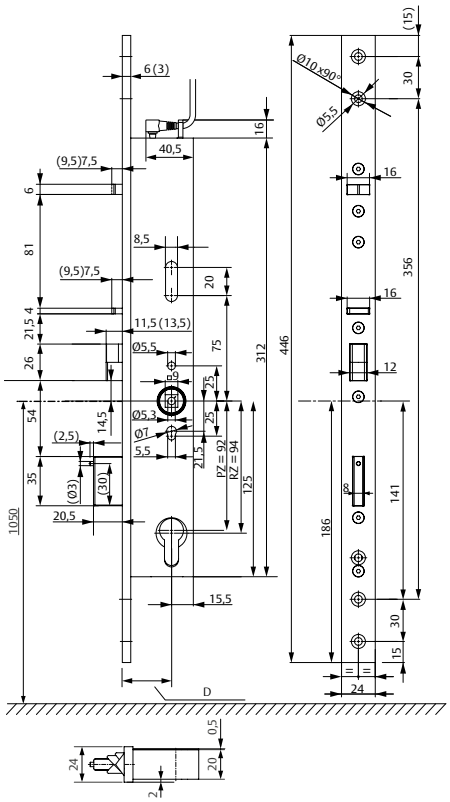
- - - Latch lock optional

Handle-controlled panic security lock 809N

The versions: Data & dimensions

Electrical data	
Rated operating voltage	12 -24 V DC +/- 15%
Rated current consumption locked in idle state coupling active	 50 mA 80 mA (<500mS)

Technical specifications	
Backset	35, 40, 45, 55, 65, 80 mm
Handle follower	9 mm
Distance	92 mm (prepared for Euro profile cylinder), 94 mm (prepared for Swiss round cylinder)
Bolt throw	20 mm
Dimensions housing (L x W x H)	328 x 20 x backset + 15.5 mm
Dimensions face plate (L x W x D):	446x 24 x 6 mm
Material face plate	Steel, chrome-plated
Side deadbolt stress according to EN 12209	20,000 N
Deadbolt counterforce according to EN 12209	6,000 N
Certified in compliance with	EN 179, EN 1125



Handle-controlled security lock 809NE

The 809N is a self-activating panic lock with electro-mechanically coupling external handle for single-leaf doors. It fulfills the requirements for burglary-resistant doors, fire doors, emergency exit doors and panic doors in accordance with EN 179 and EN 1125. A mechanical sequence control system reliably prevents unwanted extension of the bolt when the door is open. The lock can be used universally for DL/DR with a universal double action latch, switchable control latch and panic side.
The fail-locked or fail-unlocked operating mode can be switched on the lock.
Integrated electronic control device for external triggering or connection to the ASSA ABLOY Hi-O bus system.
Integrated monitoring functions via contactless sensors for status query via the external OneSystem IO module:
- Door status via striking plate contact
- Bolt retracted and bolt extended
- Cylinder monitoring
- Handle follower monitoring inside and outside
- Status handle coupling engaged/disengaged

Model
809NE

Accessories	Order no.
Connecting cable 10 m	N 5 9 5 5 0 0 1 0 0 0 0 0 0 0
IO module	N 5 9 5 0 0 0 0 0 0 0 0 0 0 0
Power supply	1 0 0 3 - 2 4 - 1 - - - - 1 0

Handle-controlled panic security lock 809N

With panic function, Euro profile cylinder and Swiss round cylinder

Handle-controlled panic security lock 809NE

Euro profile cylinder, EN 179 & EN 1125, follower 9 mm, distance 92 mm

Backset (D)		Directions	
35 mm	0	Panic side switchable between DIN L/R	4
40 mm	1		
45 mm	2		
55 mm	4		
65 mm	6		
80 mm	8		

Article	Face plate shape	Face plate length	Panic function	
Handle-controlled security lock with split handle follower	F6 x 24 mm	446 mm	E	809NE001*540000

Note:
Connecting cable and striking plate must be ordered separately.

Handle-controlled panic security lock 809NE

Swiss round cylinder, EN 179 & EN 1125, follower 9 mm, distance 94 mm

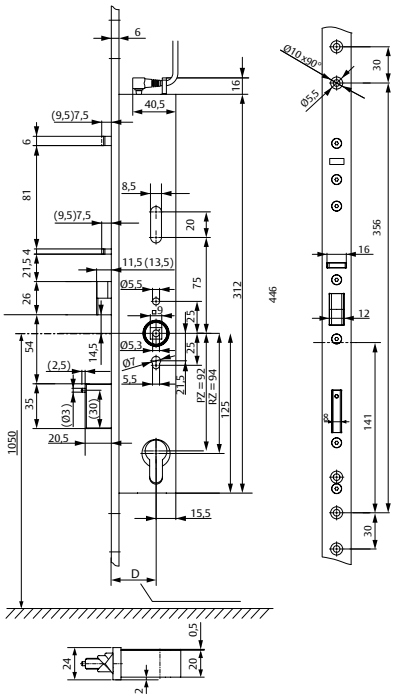
Backset (D)		Directions	
35 mm	0	Panic side switchable between DIN L/R	4
40 mm	1		
45 mm	2		
55 mm	4		
65 mm	6		
80 mm	8		

Article	Face plate shape	Face plate length	Panic function	
Handle-controlled security lock with split handle follower	F6 x 24 mm	446 mm	E	809NE001*940000

Note:
Connecting cable and striking plate must be ordered separately.

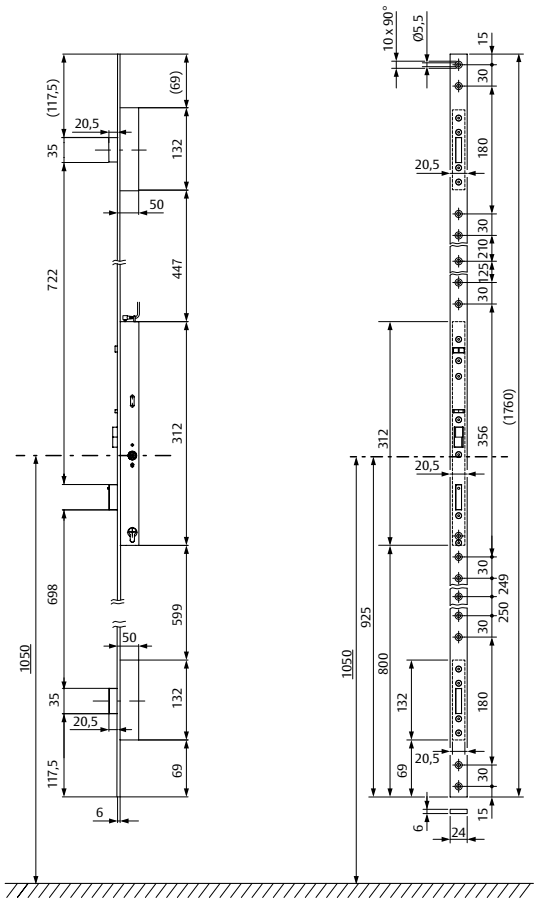
Handle-controlled panic security multi-point lock 819N

The versions: Data & dimensions



Electrical data	
Rated operating voltage	12 -24 V DC +/- 15%
Rated current consumption locked in idle state coupling active	 50 mA 80 mA (<500mS)

Technical specifications	
Backset	35, 40, 45, 55, 65, 80 mm
Handle follower	9 mm
Distance	92 mm (prepared for Euro profile cylinder), 94 mm (prepared for Swiss round cylinder)
Bolt throw	20 mm
Dimensions housing (L x W x H)	328 x 20 x backset + 15.5 mm
Dimensions face plate (L x W x D):	1760 x 24 x 6 mm
Material face plate	Steel, chrome-plated
Side deadbolt stress according to EN 12209	20,000 N
Deadbolt counterforce according to EN 12209	6,000 N
Certified in compliance with	EN 179, EN 1125



Handle-controlled security multi-point lock 819NE

The 819N is a self-activating panic lock with multi-point lock with electro-mechanically coupling external handle for single-leaf doors. It fulfills the requirements for burglary-resistant doors, fire doors, emergency exit doors and panic doors in accordance with EN 179 and EN 1125. A mechanical sequence control system reliably prevents unwanted extension of the bolt when the door is open. The lock can be used universally for DL/DR with a universal double action latch, switchable control latch and panic side.

The fail-locked or fail-unlocked operating mode can be switched on the lock.

Integrated electronic control device for external triggering or connection to the ASSA ABLOY Hi-O bus system.

Integrated monitoring functions via contactless sensors for status query via the external OneSystem IO module:

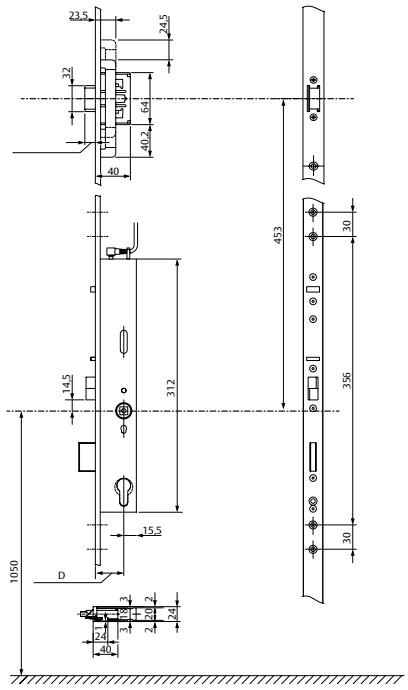
- Door status via striking plate contact
- Bolt retracted and bolt extended
- Cylinder monitoring
- Handle follower monitoring inside and outside
- Status handle coupling engaged/disengaged

Model
819NE

Accessories	Order no.
Connecting cable 10 m	N 5 9 5 5 0 0 1 0 0 0 0 0 0 0
IO module	N 5 9 5 0 0 0 0 0 0 0 0 0 0 0
Power supply	1 0 0 3 - 2 4 - 1 - - - - 1 0

Handle-controlled panic security multi-point lock 819N

The versions: Data & dimensions



Handle-controlled security multi-point lock 819NE with latch lock

The 819N is a self-activating panic lock with multi-point lock with electro-mechanically coupling external handle for single-leaf doors. It fulfills the requirements for burglary-resistant doors, fire doors, emergency exit doors and panic doors in accordance with EN 179 and EN 1125. In contrast to the standard version 819NE, an additional latch lock is integrated in the face plate. It acts as the mating component for use with an escape door strike as an escape door lock.

Model
819NE

Handle-controlled panic security multi-point lock 819N

With panic function, Euro profile cylinder and Swiss round cylinder

Handle-controlled panic security multi-point lock 819NE

Euro profile cylinder, EN 179 & EN 1125, follower 9 mm, distance 92 mm

Backset (D)		Directions
35 mm	0	Panic side switchable between DIN L/R: 4
40 mm	1	
45 mm	2	
55 mm	4	
65 mm	6	
80 mm	8	

Article	Face plate shape	Face plate length	Panic function	
Handle-controlled panic security multi-point lock	F6 x 24 mm	1760 mm	E	819NE001*540000
Handle-controlled panic security multi-point lock with latch lock	F6 x 24 mm	1760 mm	E	819NE0F1*540000

Note:
Connecting cable and striking plate must be ordered separately.

- - - Latch lock optional

Handle-controlled panic security multi-point lock 819NE

Swiss round cylinder, EN 179 & EN 1125, follower 9 mm, distance 94 mm

Backset (D)		Directions
35 mm	0	Panic side switchable between DIN L/R: 4
40 mm	1	
45 mm	2	
55 mm	4	
65 mm	6	
80 mm	8	

Article	Face plate shape	Face plate length	Panic function	
Handle-controlled panic security multi-point lock	F6 x 24 mm	1760 mm	E	819NE001*940000
Handle-controlled panic security multi-point lock with latch lock	F6 x 24 mm	1760 mm	E	819NE0F1*940000

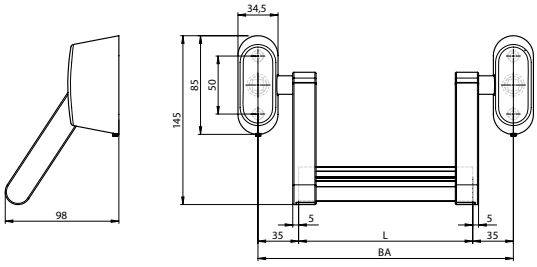
Note:
Connecting cable and striking plate must be ordered separately.

- - - Latch lock optional

Panic push bars type A
Oval roses

Panic push bar, metal frame door version

The OneSystem panic touch bars are perfect for use on smoke protection doors, fire doors and escape doors. The uniform design compliment the new door closers and many other components from the ASSA ABLOY product portfolio. The flat overlap is therefore ideal for narrow stile doors. The handle bar can be retrofitted on existing drilled holes on oval roses. The panic push bars are compatible with all OneSystem panic locks.



Panic push bar narrow stile version model N2500

Panic push bar N2500 (type A) tested in conjunction with OneSystem panic locks and OneSystem passive leaf locks in accordance with EN 1125 / approved for fire barriers according to EN 1634 / product-specific environmental product declaration (EPD) in accordance with EN 15804 with article-specific parameters / tested for 1,000,000 cycles and 300 kg door weight

Technical specifications	
Type	Oval rose
DIN direction	L/R

Article / feature	Order no.
Gearing mechanism complete, stainless steel	N250000000000000
Gearing mechanism complete, aluminum	N250004000000000

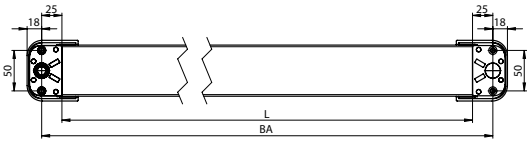
Type	Handle bar length (L)	Mounting distance (BA)	Order no.
Stainless steel	760 mm	up to 830 mm	N200000076000000
Stainless steel	1060 mm	up to 1130 mm	N200000106000000
Stainless steel	1360 mm	up to 1430 mm	N200000136000000
Aluminum	760 mm	up to 830 mm	N200004076000000
Aluminum	1060 mm	up to 1130 mm	N200004106000000
Aluminum	1360 mm	up to 1430 mm	N200004136000000

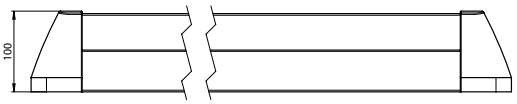
Panic touch bars type B
Oval roses

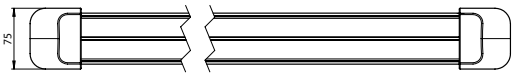
Panic touch bar, narrow stile version

The OneSystem panic touch bars are suitable for use on smoke protection doors, fire doors and escape doors. Their reduced, slim-line design matches the new door closers from the ASSA ABLOY complete range and many other components.

The flat overlap is ideal for narrow stile doors. The touch bar can be retrofitted easily and conveniently on existing drilled holes on oval roses. The panic push bars are compatible with all OneSystem panic locks.







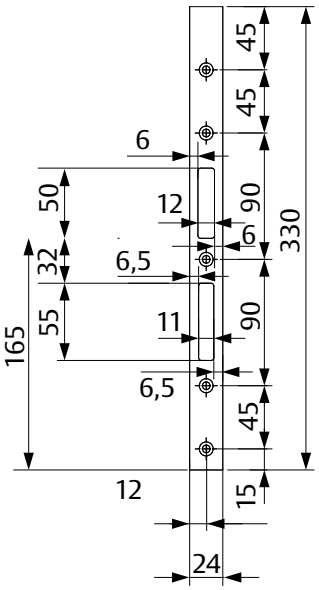
Panic touch bar narrow stile version model N2600

Panic touch bar N2600 (type B) tested in conjunction with OneSystem panic locks and OneSystem passive leaf locks in accordance with EN 1125 / approved for fire barriers according to EN 1634 / product-specific environmental product declaration (EPD) in accordance with EN 15804 with article-specific parameters / tested for 1,000,000 cycles and 300 kg door weight

Technical specifications	
Type	Oval rose
Material	Stainless steel
DIN direction	L/R

Profile length (L)	Mounting distance (BA)	Order no.
680 mm	610-730 mm	N26000006800000
780 mm	710-830 mm	N26000007800000
880 mm	810-930 mm	N26000008800000
980 mm	910-1030 mm	N26000009800000
1080 mm	1010-1130 mm	N26000010800000
1180 mm	1110-1230 mm	N26000011800000
1280 mm	1210-1330 mm	N26000012800000
1380 mm	1310-1430 mm	N26000013800000

Accessories panic security locks
Models 309N / 509N / 809N / 319N / 519 / 819N



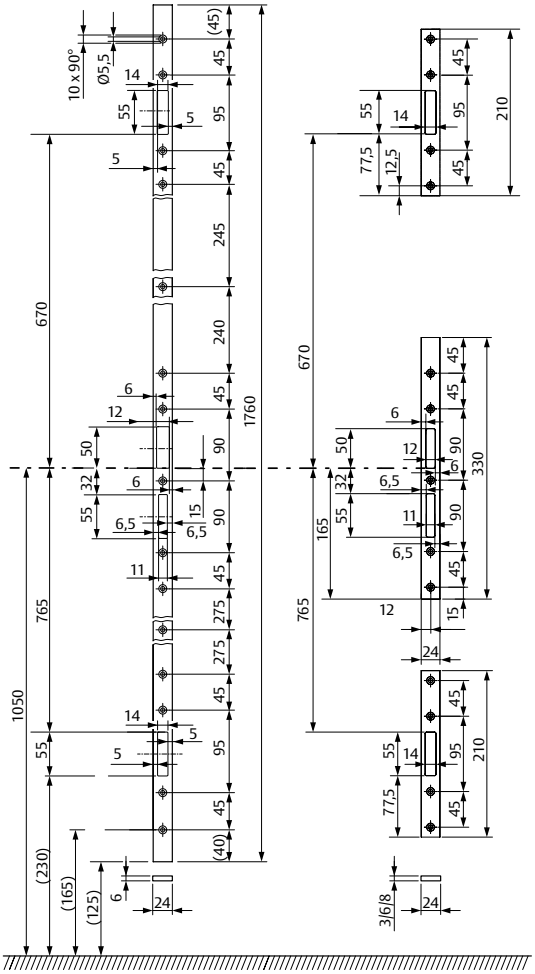
Flat striking plate model 509ZBS033

For lock model 309N / 509N / 809N

Technical specifications	
Type	Standard
Length	330 mm
Width	24 mm
Surface	Chrome plated

Feature	Order no.
Thickness 3 mm	5 0 9 Z B S 0 3 3 3 S B L 0 0
Thickness 6 mm	5 0 9 Z B S 0 3 3 6 S B L 0 0
Thickness 8 mm	5 0 9 Z B S 0 3 3 8 S B L 0 0

Striking plate standard



3-piece striking plate

Suitable striking plates for the model series 319N/51N9/819N

Material 2 mm striking plate: Stainless steel
Material 3 mm striking plate: Steel, chrome-plated
Material 6 mm striking plate: Steel, chrome-plated
Material 8 mm striking plate: Steel, chrome-plated

Feature	Order no.
Striking plate 3-piece, striking plate length 210/330 mm, Striking plate thickness 2 mm	8 1 9 Z B S 0 2 1 2 S B L 0 0
Striking plate 3-piece, striking plate length 210/330 mm, Striking plate thickness 3 mm	8 1 9 Z B S 0 2 1 3 S B L 0 0
Striking plate 3-piece, striking plate length 210/330 mm, Striking plate thickness 6 mm	8 1 9 Z B S 0 2 1 6 S B L 0 0
Striking plate 3-piece, striking plate length 210/330 mm, Striking plate thickness 8 mm	8 1 9 Z B S 0 2 1 8 S B L 0 0
Striking plate continuous type, striking plate length 1760 mm Striking plate thickness 2 mm	8 1 9 Z B S 1 7 6 2 S B L 0 0
Striking plate continuous type, striking plate length 1760 mm Striking plate thickness 3 mm	8 1 9 Z B S 1 7 6 3 S B L 0 0
Striking plate continuous type, striking plate length 1760 mm Striking plate thickness 6 mm	8 1 9 Z B S 1 7 6 6 S B L 0 0

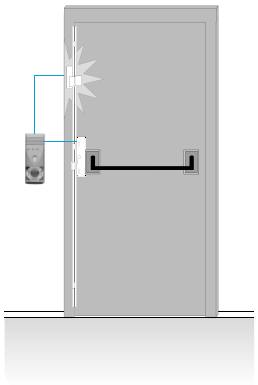
Information on the striking plate length:
210 mm on the additional bolt, 330 mm on the lock

Spacer plate set 519ZB

The spacer plate sets are suitable for protecting sliding bars in wooden doors as well as compensating for the gap between striking plates and face plates.

Feature	Order no.
1 mm for model x19N	5 1 9 Z B - D 1 - - - - - 0 0
1 mm for model x19N with 807 latch lock	5 1 9 Z B - D 1 F - - - - 0 0

Multi-point lock accessories
Models 319N / 519N / 819N
Version with latch lock



Multi-point locks 319N, 819N, 519N with integrated escape door strike 331U and latch lock.

These multi-point locks
can be upgraded with the tried-and-tested effeff escape door technology face plate and striking plate products.

Special features

- Optimal position for the escape door strike at shoulder height
- Prevents attempted break-ins where the panic bar is tampered with
- Optimal door control via lock cylinder/ terminal cylinder or access control
- Controlled entrance / exit
- All functions in a single lock / keep rail
- Reduced time spent building, planning and installing

Striking plates with integrated escape door strike 331U

Suitable for multi-point locks with latch lock 807-10

Feature	Order no.
3 mm striking plate, DIN left	331U80-60848F94
3 mm striking plate, DIN right	331U81-60848F95
6 mm striking plate, DIN left	331U80-60948F94
6 mm striking plate, DIN right	331U81-60948F95

Loose striking plates prepared for escape door strike 331U

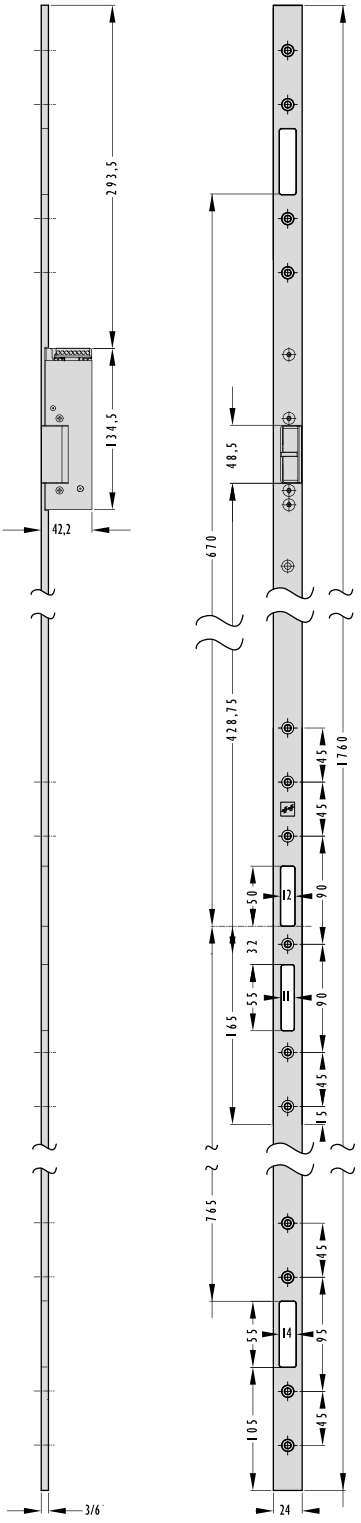
Suitable for multi-point locks with latch lock 807-10

Feature	Order no.
3 mm striking plate, DIN left	-------60848-04
3 mm striking plate, DIN right	-------60848-05
6 mm striking plate, DIN left	-------60948-04
6 mm striking plate, DIN right	-------60948-05

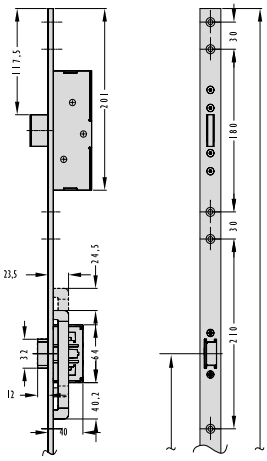
Additional information
This system also complies with all requirements for security doors, fire doors, emergency exits and panic doors in accordance with DIN EN 179 and DIN EN 1125, as well as the requirements on electrical locking systems in doors along escape routes (ElttVTR).

Striking plate with escape door strike 331U

Fig. DIN L



Model x19 with latch lock 807-10

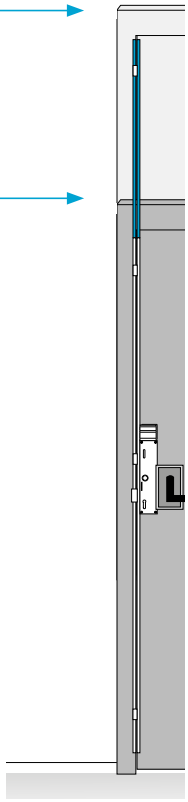


Multi-point lock accessories
Models 319N / 519N / 819N
Extensions and striking plates

Height special doors

Usage example of an extension for a multi-point locking system.

Height standard doors



Extensions and striking plates

All multi-point locks 319N / 519N / 819N can be extended and upgraded with a 4th bolt.
The following extensions are available for use:
270 mm for door leaf heights from approx. 2.16 m
350 mm for door leaf heights from approx. 2.25 m
550 mm for door leaf heights from approx. 2.45 m

An extra 4th bolt is available for the upper part of doors for ceiling height doors or doors higher than 2.5 m.
This means the otherwise unstable part of the door is also now secured to provide protection against attempted break-ins.

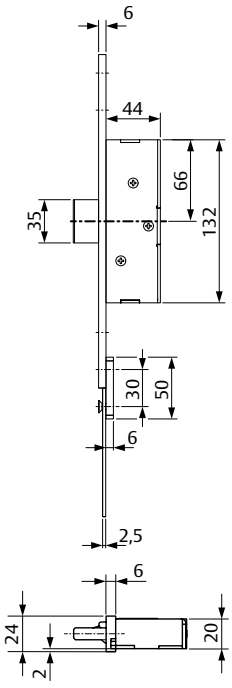
Special features

- Requirements for burglary protection can therefore also be met for extra high door systems.
  There is a trend in modern architecture towards ceiling height doors. We are able to cater for such a demand with our extension system.

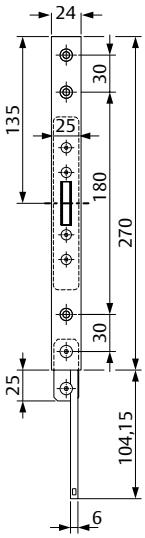
Extensions for the model series 319N/519N/ 819N

Feature	Minimum door leaf height approx.	Order no.
270 mm	2.16 m	8 1 9 Z B V 0 2 7 - - - - 0 0
350 mm	2.25 m	8 1 9 Z B V 0 3 5 - - - - 0 0
550 mm	2.45 m	8 1 9 Z B V 0 5 5 - - - - 0 0

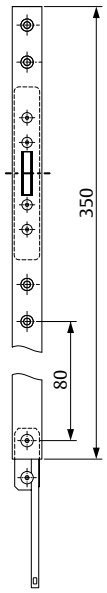
Additional bolt 270 mm

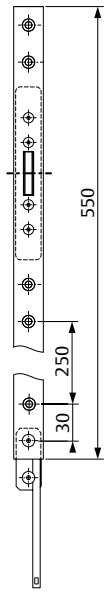


Additional bolt 350 mm



Additional bolt 550 mm





Suitable striking plates for the extensions listed above

Feature	Order no.
270 mm, striking plate thickness 3 mm	8 1 9 Z B V 0 2 7 3 S B L 0 0
350 mm, striking plate thickness 3 mm	8 1 9 Z B V 0 3 5 3 S B L 0 0
550 mm, striking plate thickness 3 mm	8 1 9 Z B V 0 5 5 3 S B L 0 0
270 mm, striking plate thickness 6 mm	8 1 9 Z B V 0 2 7 6 S B L 0 0
350 mm, striking plate thickness 6 mm	8 1 9 Z B V 0 3 5 6 S B L 0 0
550 mm, striking plate thickness 6 mm	8 1 9 Z B V 0 5 5 6 S B L 0 0

Spacer plate set Z19ZB

The spacer plate sets are suitable for protecting sliding bars in wooden doors as well as compensating for the gap between striking plates and face plates.

Feature	Order no.
1 mm for extension 270 mm	Z 1 9 Z B - D 1 V 0 2 7 - 0 0
1 mm for extension 350 mm	Z 1 9 Z B - D 1 V 0 3 5 - 0 0
1 mm for extension 550 mm	Z 1 9 Z B - D 1 V 0 5 5 - 0 0

Accessories locks with monitoring function

Accessories motorized, handle-controlled locks

IO module/fire protection module

OneSystem IO module N5950

The OneSystem IO module is suitable for digital connection of OneSytem locks with Hi-O technology. The OneSystem IO module provides the connection to conventional devices, e.g. access control, on-site interlock controls or monitoring controls. To this end, it provides non-isolated inputs for external control and potential-free relay outputs for querying the function states of the locks for higher-level systems.

The following settings and messages are possible ( ) depending on the model

Relay outputs:

- Outer handle
- Inner handle
- Cylinder operated
- (Handle coupling active)
- Unlocked
- Locked
- Door open/closed
- Alarm / fault

Technical specifications	
Length	85 mm
Width	105 mm = 6TE
Depth	60 mm

Electrical data	
Rated operating voltage	12 V – 24 V ± 15%
Rated current consumption 12 V	max. 185 mA
Rated current consumption 24 V	max. 115 mA

Feature	Order no.
OneSystem IO module	N 5 9 5 0 0 0 0 0 0 0 0 0 0 0 0

Inputs:

- (External release)
- External door contact
- (Central locking)

Settings:

- Time mode: Unlocking time 2 – 28 sec.
- Toggle function
- Direct mode

Fire protection module

Fire safety module 519ZBFS is required in addition to the IO module N5950 when motorized locks are used on fire doors.

In the event of a fire or power failure, the two modules ensure that the motorized lock changes to locked status from whatever status it was in and that the door can fulfill its fire safety function. It goes without saying that the panic function in the door handle or bar will continue to operate.

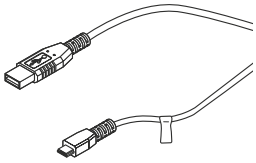
The client's smoke alarm system or a smoke detector, such as the model RZ100, can be connected for smoke detection.

Technical specifications	
Length	98 mm
Width	88 mm (5TE)
Depth	43 (49) mm

Electrical data	
Rated operating voltage	24 V + 10%
Rated current consumption	approx. 50 mA

Feature	Order no.
Fire protection module	5 1 9 Z B F S - - - - - - 0 0

ePED®
Configuration



ePED® service interface USB

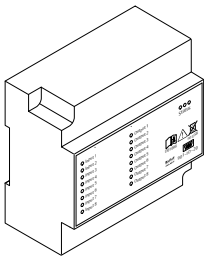
For configuring ePED® products with system connector for the ePED® service interface.
The configuration takes place via the ePED® service software for MS Windows.
The ePED® service software can be downloaded from the website assaabloy.de under Service / Download.

Technical attributes	
Area of application	For use in indoor areas
Length	ca. 2 m
Required power supply	USB
Pre-condition	ePED® service software; minimum MS Windows 7

Article / Feature	Order no.
Service software in internet download	1386-SIF-USB-00

ePED®

ePED® IO interface and connector



ePED® Hi-O IO-interface for top-hat rail

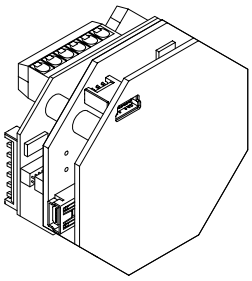
For the connection of conventional devices and message control functions to the Hi-O bus. The inputs and outputs can be freely configured via the ePED® service interface and software for MS Windows for Hi-O messages and control functions.

Technical attributes	
Current consumption 24 V DC	110 mA
Area of application	For use in indoor areas
Function indicator	Yes, inputs/outputs
Dimension	85 x 105 x 60 mm (H x W x D)
Operating temperature range	-10 °C – +55 °C
Inputs	9
Connection	4-wire bus
Installation	To fit on mounting rails in distributor housings.
Required power supply	in accordance with DIN EN 60950-1 SELV; 12 V (–15 %) to 24 V (+15 %); optimal voltage = 24 VDC
Outputs	8
Initial configuration	With ePED® service interface and software for MS Windows
Amount of bus addresses	2
Control function	Yes, Hi-O technology

Article / Feature	Order no.
For DIN rail	**9 0 1 - I O - 2 0 - - - - 0 0**

ePED®

ePED® IO interface and connector



ePED Hi-O IO Interface for installation

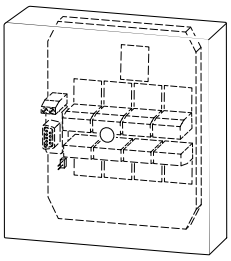
For the connection of conventional devices and message control functions to the Hi-O bus. The inputs and outputs can be freely configured via the ePED® service interface and software for MS Windows for Hi-O messages and control functions.

Technical attributes	
Current consumption 24 V DC	50 mA
Installation	To install flush mounted switch box, 62 mm deep
Area of application	For use in indoor areas
Sabotage switch	Yes
Operating temperature range	-10 °C – +55 °C
Inputs	5
Connection	4-wire bus
Required power supply	in accordance with DIN EN 60950-1 SELV; 12 V (–15 %) to 24 V (+15 %); optimal voltage = 24 VDC
Class of protection	IP30 (if fully installed)
Outputs	2 relays; 4 open collectors
Initial configuration	With ePED® service interface and software for MS Windows
Amount of bus addresses	2
Control function	Yes, Hi-O technology
Operating and display function	Yes, inputs/outputs

Article / Feature	Order no.
For installation	1386IO-PILL--00

ePED®

ePED® IO interface and connector



ePED® Hi-O surface-mounted distribution box

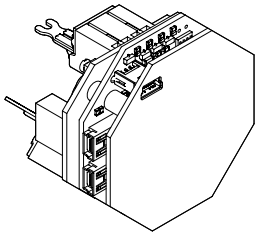
As a central connecting point for structured Hi-O cabling. The Hi-O distributor has a supply terminal for the mains adapter of the system with max. 4A and a shear resistance for terminating.

Technical attributes	
Area of application	For use in indoor areas
Dimension	120 x 120 x 30 mm (H x W x D)
Sabotage switch	No
Operating temperature range	-10 °C – +55 °C
Inputs	8 Hi-O connections
Connection	4-wire bus
Installation	For surface mounting in dry rooms.
Required power supply	External power supply required
Class of protection	IP30 (if fully installed)
Amount of bus addresses	none
Control function	No
Operating and display function	No

Article / Feature	Order no.
In plastic housing	**9 0 1 - H U B - 0 1 - - - 0 0**

ePED®

ePED® CAN-Connector uP



ePED® CAN-Connector for installation

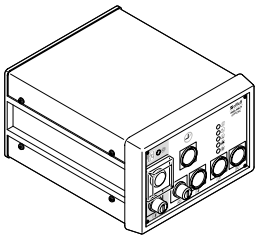
Communication interface between the Hi-O system bus and an automation control via CAN. Based on the CANopen protocol.

Technical attributes	
Total power consumption	0.2 A at 24 V DC
Area of application	For use in indoor areas
Operating temperature range	-10 °C – +55 °C
Connection	Hi-O: 4-wire bus cabling; CAN: electrically isolated, address setting 1...128
Installation	To install flush mounted switch box, 62 mm deep
Required power supply	in accordance with DIN EN 60950-1 SELV 24 V (+/-15 %)
Class of protection	IP30 (if fully installed)
Amount of bus addresses	2

Article / Feature	Order no.
For installation	1386CAN-PILL-00

ePED®

ePED® Central Control Unit (CMC)



ePED® Central Control Unit (CMC)

The ePED® 1386CMC central escape route control system is a central operating panel with which authorised persons monitor and operate the electrically-controlled escape-door system, including the double release delay.
To block the release, variant 1386CMCD is required.
The operating panel contains an emergency button for the central release, operating and display elements for the double time delay and a status display of the linked escape-door system.
System connector for setting parameters with ePED® service interface and software for MS Windows.
The ePED® central escape route control system is connected with the escape doors via Ethernet. The doors are equipped with escape door systems with ePED® escape route technology. The Ethernet connection is established with an ePED® 1386CMC-CON CMC Connector on every escape door, whereby the following limits apply:

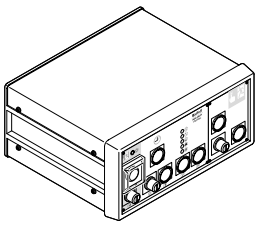
- one 1386CMC central escape route control system can control no more than 128 escape doors via 128 1386CMC-CON CMC connectors

and

- one escape door can be controlled by no more than 32 1386CMC central escape route control systems.

Technical attributes	
Control function	Yes, Hi-O technology
Operating and display function	Yes, integrated
Connection	Ethernet
Emergency button	Yes, latching
Control element	To activate the second time delay
Initial configuration	With ePED® service interface and software for MS Windows
Required power supply	According to DIN EN 60950-1 SELV; 12 V (–10 %) until 24 V (+10 %) ideal voltage = 24 V DC
Operating temperature range	-10 °C – +55 °C
Area of application	For use in indoor areas
Class of protection	IP30 (if fully installed)
Certified in compliance with	EltVTR; DIN EN 13637:2015

Article / Feature	Order no.
In combined wall/desk housing; 152 x 259 x 269Â mm	**1 3 8 6 C M C - 3 - 3 4 2 0 0**
For mounting into a swich panel: 170 x 270 x 176Â cm	**1 3 8 6 C M C - 1 - 3 4 2 0 0**
Closed in 19 inch carrier; 266 x 483 x 176	**1 3 8 6 C M C - 5 - 3 8 4 0 0**



ePED® Central Control Unit (CMC) + DE

The ePED® Central Control Unit 1386CMC is a central control panel, where authorized persons monitor and control the escape door system as well as the second time delay and the denied exit.
The control panel contains an emergency button, control and display devices for the second time delay, control and display devices for denied exit and a status indication of the connected escape door systems.
System plug for the parametrization with ePED® Service Interface und Software for MS Windows.
The ePED Central Control Units are connected to the escape doors through the ethernet. The doors are equipped with ePED® Escape Door System. The ethernet connection of the escape door door is provided by the ePED® CMC Connector 1386CMC-CON, with the following limits:

- One Central Control Unit 1386CMC can control maximum 128 escape doors through 128 CMC-Connectors 1386CMC-CON.

and

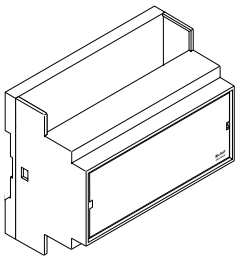
- One escape door can be controlled by maximum 32 Central Control Units 1386CMC through one CMC Connector 1386CMC-CON.

Technical attributes	
Control function	Yes, Hi-O technology
Operating and display function	Yes, integrated
Connection	Ethernet
Emergency button	Yes, latching
Control element	To activate the second time delay
Initial configuration	With ePED® service interface and software for MS Windows
Required power supply	According to DIN EN 60950-1 SELV; 12 V (–10 %) until 24 V (+10 %) ideal voltage = 24 V DC
Operating temperature range	-10 °C – +55 °C
Area of application	For use in indoor areas
Class of protection	IP30 (if fully installed)
Certified in compliance with	According to EltVTR; DIN EN 13637:2015

Article / Feature	Order no.
In combined wall/desk housing; 152 x 366 x 269Â mm	**1 3 8 6 C M C D 3 - 3 6 3 0 0**
For mounting into a swich panel: : 170 x 376 x 176Â cm	**1 3 8 6 C M C D 1 - 3 6 3 0 0**
Closed in 19 inch carrier; 266 x 483 x 176	**1 3 8 6 C M C D 5 - 3 8 4 0 0**

ePED®

ePED® Central Control Unit (CMC)



ePED® CMC connector Ethernet

The ePED® CMC Connector connects the ePED® escape door system with the central control unit.
System plug for the parametrization with ePED® Service Interface und Software for MS Windows.
The ePED® CMC Connector is connected to the ePED Central Control Unit through the ethernet. The doors are equipped with ePED® Escape Door System. The ethernet connection of the escape door door is provided by the ePED® CMC Connector 1386CMC-CON, with the following limits:

- One Central Control Unit 1386CMC can control maximum 128 escape doors through 128 CMC-Connectors 1386CMC-CON.

and

- One escape door can be controlled by maximum 32 Central Control Units 1386CMC through one CMC Connector 1386CMC-CON.

Technical attributes	
Control function	Yes, Hi-O technology
Operating and display function	No
Connection	Ethernet
Initial configuration	With ePED® service interface and software for MS Windows
Operating temperature range	-10 °C – +55 °C
Area of application	For use in indoor areas
Installation	Mounting rail
Dimension	90 x 160 x 60 mm
Certified in compliance with	EltVTR; DIN EN 13637:2015

Article / Feature	Order no.
Mortise security sash lock	**1386CMC-CON--00**

The ASSA ABLOY Group is the global leader in access solutions. Every day we help people feel safe, secure and experience a more open world.

ASSA ABLOY
Opening Solutions

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