ASSA ABLOY is the global leader in door opening solutions dedicated to satisfying end-user needs for security, safety and convenience. The company is represented in both mature and emerging markets worldwide, with leading positions in Europe, North America and Asia Pacific.

In the fast-growing electromechanical security segment, the Group has a leading position in areas such as access control, identification technology, entrance automation and hotel security.

Since its formation in 1994, ASSA ABLOY has grown from a regional company to an international group with 41,000 employees, presence in over 50 countries and sales of about €5 billion.

As the world’s leading lock group, ASSA ABLOY offers a more complete range of door opening solutions than any other company on the market. This offer continues to grow thanks to ASSA ABLOY’s focus on innovation, which is the single most important factor for the Group’s continued organic growth.

To secure innovations for the future, ASSA ABLOY today employs more than 1,000 development engineers ensuring successful new products and technologies.
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<th>Section</th>
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Panic exit devices
ASSA ABLOY has a full range of push or touch bar panic exit devices - with 1, 2 or 3 anchor points, for mortise locks and rim devices, compatible with RF doors or motorised devices.

Door closers
The door closers fulfil many important functions. For example, door closers ensure that automatic doors close automatically in the event of fire, which reduces the risk of fire spreading and creates evacuation pathways. The self-closing function also helps increase the security of external doors.

Electromechanical and electronic locks
Wired products offer greater security than traditional mechanical products but both can also be combined for better convenience – for example the lock cylinder has a matching electronic chip. The keys can be coded for different authorization levels and cannot be copied by unauthorized people.

Access control systems and identification technology
Radio-frequency identification (RFID) technology is increasingly popular because it allows security monitoring and access control with no physical contact. ASSA ABLOY is a leader in the ID management and RFID technologies markets. Examples of products and services with RFID include services for national identity programs and electronic passports, corporate access control, logistics management, animal identification system and financial transactions.

Mechanical locks and accessories
Mechanical lock products like keys or cylinders are the foundation of all security systems. Door locks, padlocks, door handles and emergency door fittings are examples of traditional mechanical products with very high safety, security and design demands.

Automatic doors
Automatic doors are in greater demand because of the ease, safety, and convenience of self-opening and closing doors. Some examples are revolving doors that preserve the indoor climate of a building by creating an airlock, and hermetic doors that eliminate airborne bacteria in hospital environments. ASSA ABLOY combines automatic doors with other products, such as components, and systems for lock and access control.

Hotel locks
ASSA ABLOY has a special business that develops and produces hotel locks. Electromechanical hotel locks provide security and comfort for guests, as well as easier, less time-consuming management for hotel staff. With over 6.5 million hotel room solutions in over 155 countries, ASSA ABLOY’s Hospitality business unit is the world’s largest supplier of hotel locks. Modern ASSA ABLOY solutions allow hotel guests to check-in and open the door to their room by cell phone.

Security doors
Emergency evacuation and fire safety are crucial features for security doors. The requirements vary depending on the area of use and the geographic market. For example, Americans spend nearly twice as much on emergency evacuation systems as Europeans.
Public buildings like most industrial and commercial premises are required to meet security and safety needs. Regulations relating to escape from buildings and general safety have made it desirable that doors at exits in public buildings, places of public entertainment, shops, etc. are fitted with panic exit devices. The main purpose of a panic exit device is to give a safe and effective free way out with minimum effort and no prior training of the users.

ASSA ABLOY’s range of panic exit devices reliably secures exit doors in accordance with all applicable fire and safety code requirements. ASSA ABLOY panic exit devices are designed with push and touch control to meet all comfort needs.

ASSA ABLOY’s products have been certified according to the most demanding standards. It’s a wide offer, ranging from cost-competitive technical products to electromechanical solutions in keeping with the latest design trends. Plus they are perfectly integrated with ASSA ABLOY’s range of locks, cylinders and handles.

ASSA ABLOY has made a great effort to ensure that this range of panic exit devices can be installed together with access control and electromechanical locks among other devices, thus increasing the security of goods. Our panic exit devices can be a part of integrated electromechanical solutions, when allowing evacuation in a panic situation is just as important as restricting access to the building.

Personal safety and security of goods are two main objectives when developing and manufacturing the product. As a result, one of the design requirements is that doors must be easily opened with the minimum effort (children, elderly or people with reduced mobility etc.) and with no previous knowledge of the device. In addition, it will not be necessary to use a key or any other equipment.

ASSA ABLOY has a wide range of panic exit devices, always offering customers the product that best fits their demands. Examples are devices with 1, 2 or 3 anchor points, for mortise locks and rim devices, or compatible with RF doors. Our offer includes panic exit devices operated with a push or touch bar, and motorised devices with micro switch that are easy to use by the people with reduced mobility. Products with mortise floor strikes are designed for the passage of stretchers and wheelchairs in hospitals.
EN Standards
Explanations
Fundamental to this standard is a comprehensive classification system for assessing the wide range of products needed to satisfy the diverse requirements of the European market. Features assessed include normal use (and abuse) forces, long-term durability, fire/smoke resistance, corrosion and temperature resistance and security, both manipulative and physical. In addition, it contains information on marking, including CE marking because EN 12209 is a harmonised standard.

**Scope**

This standard covers requirements and test methods for all types of mechanical lock or latch (including associated or separately supplied locking plates), intended for use on pedestrian doors in buildings, but excludes electromechanically operated locks and striking plates, multi-point locks and their locking plates, locks for windows, padlocks, locks for safes, furniture locks and prison locks.

**Classification**

EN 12209 classifies mechanically operated locks, latches and locking plates using an 11 digit coding system. This has proved necessary in order to provide a proper assessment of all the varied features of products for specific markets within Europe. It should be noted that to avoid a greater proliferation of boxes, certain features have been “doubled up”: e.g. durability and durability with side load; door mass and closing force; corrosion resistance and temperature resistance. The system is comprehensive but it has led to the use of letters (rather than numbers) in certain boxes, since there can only be one digit in each classification box. A similar classification system applies to all building hardware product standards (at least for the first 7 boxes) to aid meaningful comparisons with related products.

**CE marking**

Mechanically operated locks and latches intended for use on fire/smoke control doors within the EEA* are covered by a Construction Products Directive mandate issued by the European Commission. Consequently, this standard is regarded as “harmonised” and compliance with it, supported by suitable evidence, allows for the application of the CE mark.

**Digit 1**

**Category of use**

Three categories of use are identified:
- grade 1: low frequency of use by people with a high incentive to exercise care and a small chance of misuse, e.g. internal residential doors
- grade 2: medium frequency of use by people with some incentive to exercise care but where there is some chance of misuse, e.g. internal office doors
- grade 3: high frequency of use by public or others with little incentive to exercise care and with a high chance of misuse, e.g. public doors.

**Digit 2**

**Durability**

Twelve grades are identified with minimum figures for deadbolt and snib operation, and latch bolt operation with and without side load, as shown. The side load is applied to the latch bolt when it is being withdrawn.

<table>
<thead>
<tr>
<th>Increasing side load</th>
<th>Grade A</th>
<th>Grade B</th>
<th>Grade C</th>
<th>Grade D</th>
<th>Grade E</th>
<th>Grade F</th>
<th>Grade G</th>
<th>Grade H</th>
<th>Grade I</th>
<th>Grade J</th>
<th>Grade K</th>
<th>Grade L</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. operations</td>
<td>Grade A</td>
<td>Grade B</td>
<td>Grade C</td>
<td>Grade D</td>
<td>Grade E</td>
<td>Grade F</td>
<td>Grade G</td>
<td>Grade H</td>
<td>Grade I</td>
<td>Grade J</td>
<td>Grade K</td>
<td>Grade L</td>
</tr>
</tbody>
</table>

**Digit 3**

**Door mass and closing force**

Nine grades are identified with maximum figures for closing force at various door masses as shown. Note: closing force is from a standing start: i.e. fully extended latch bolt in contact with striking plate at start of test.

<table>
<thead>
<tr>
<th>Maximum door mass</th>
<th>15N</th>
<th>25N</th>
<th>50N</th>
</tr>
</thead>
<tbody>
<tr>
<td>Door mass up to 100kg</td>
<td>Grade 7</td>
<td>Grade 6</td>
<td>Grade 3</td>
</tr>
<tr>
<td>Door mass up to 200kg</td>
<td>Grade 8</td>
<td>Grade 7</td>
<td>Grade 5</td>
</tr>
<tr>
<td>Above 200kg</td>
<td>Grade 9</td>
<td>Grade 8</td>
<td>Grade 6</td>
</tr>
</tbody>
</table>

**Digit 4**

**Fire resistance**

Two grades are identified:
- grade 0: not approved for use on fire/smoke door assemblies
- grade 1: suitable for use on fire/smoke door assemblies tested to EN 1634-1 etc.

**Note 1.**

A grade 1 classification means only that the lock has been designed for use on fire/smoke control doors; the actual fire performance achieved (e.g. fire integrity of 30 minutes on a partially glazed timber door etc.) will be contained in a separate fire test report.

**Note 2.**

Where a product is intended for fire/smoke door use (i.e. a "1" in box 4), it must be possible to demonstrate compliance with the Essential Requirements of the Construction Products (Amendments) Regulations. It is recommended.
Mechanically operated locks, latches and locking plates
EN12209:2003

Digit 5
Safety
No requirement, but note: a lock or latch conforming to this standard can, at the same time, also be part of an exit device conforming to EN 179 or EN 1125.

Digit 6
Corrosion resistance
Eight grades are identified with neutral salt-spray (NSS) corrosion resistance grades from EN 1670:2007, with and without temperature resistance as shown:

<table>
<thead>
<tr>
<th>Corrosion resistance (NSS)</th>
<th>Temperature resistance</th>
<th>20°C to +80°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>240 hours</td>
<td>grade D</td>
<td>grade G</td>
</tr>
<tr>
<td>96 hours</td>
<td>grade C</td>
<td>grade F</td>
</tr>
<tr>
<td>48 hours</td>
<td>grade B</td>
<td>grade E</td>
</tr>
<tr>
<td>24 hours</td>
<td>grade A</td>
<td>grade D</td>
</tr>
<tr>
<td>No requirement</td>
<td>grade 0</td>
<td>grade G</td>
</tr>
</tbody>
</table>

Digit 7
Security and drill resistance
Seven grades are identified with minimum figures for requirements relating to physical attack, with or without drilling of the lockcase, as shown:

<table>
<thead>
<tr>
<th>No. of differs</th>
<th>J</th>
<th>grade H</th>
<th>K</th>
<th>grade F</th>
<th>G</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of levers</td>
<td></td>
<td>grade D</td>
<td>A</td>
<td>grade C</td>
<td>B</td>
</tr>
</tbody>
</table>

Digit 8
Field of door application
Fifteen grades are identified for differing applications - hinged or sliding doors with rim or mortise locks with either keyless egress from inside or key locking from both sides. The grading determines which application is appropriate. In addition, there is a requirement that lock/latch should not be removable from outside or, for grades K to R, from inside using “standard” tools. Grades H and P require support for the lockcase when installed.

Digit 9
Type of key operation and locking
Nine grades are identified for differing types of key operation (see table). The grading determines how the lock is assessed for the deadlocking requirement as shown. In addition, there is a maximum key torque operating requirement of 1.5 Nm and a minimum key strength requirement of 2.5 Nm
- grade 0: not applicable;
- grade A: cylinder lock or latch; manually locking;
- grade B: cylinder lock or latch; automatically locking;
- grade C: cylinder lock or latch; manually locking with intermediate locking;
- grade D: lever lock or latch; manually locking;
- grade F: lever lock or latch; manually locking;
- grade G: lever lock or latch; automatically locking;
- grade H: lever lock or latch; manually locking with intermediate locking;

Digit 10
Type of spindle operation
Five grades are identified:
- grade 0: lock without follower
- grade 1: lock with sprung lever or knob
- grade 2: lock with light unsprung lever
- grade 3: lock with heavy unsprung lever
- grade 4: lock with manufacturer’s own furniture specification

Digit 11
Key identification
Nine grades are identified relating to the number of differs and levers. Grade 0 relates to a latch with no locking action:

Note: This applies only to lever locks: cylinders are assessed according to EN 1303

As such, locks and latches have a critical safety function. Application of the CE mark will require the involvement of a notified body to provide verification of the compliance claims. This involves initial type testing of the product according to EN 12209 and EN 1634-1, initial inspection of the manufacturer’s factory production control and continuing surveillance and approval of the factory production control. On satisfactory fulfilment of these tasks, the notified body issues an EC Certificate of Conformity which then permits the manufacturer to declare compliance and affix the CE mark to his product.
Mechanically operated locks, latches and locking plates

EN 12209:2003

The CE conformity marking symbol, in letters at least 5 mm high, and items i) to vii) below, shall accompany the product and shall be included in installation instructions:

i) Identification number of the certification body;
ii) The name or identifying mark of the producer
iii) Registered address of the producer
iv) The last 2 digits of the year in which the marking was applied
v) The number of the EC Certificate of Conformity
vi) Reference to this European Standard EN12209
vii) The designation and performance of the lock or latch according to the 11-box classification coding where incorporated in the Scope and clauses of the Standard applying to the essential characteristics.

Additionally, at least the CE marking symbol and the identification number of the certification body shall be affixed to the lock/latch and optionally on its packaging.

Note that, although the notified body has to be involved to verify the manufacturer’s claims, the manufacturer remains responsible for designing and producing the product, for affixing the CE marking, and for ensuring that the product meets the requirements of the Directive.
Panic exit devices operated by a horizontal bar, for use on escape routes

EN1125:2008

EN 1125 - Panic exit devices
Experience relating to escape from buildings and general safety have made it desirable that doors at exits in public buildings, places of entertainment, shops etc., should be fitted with panic devices operated by a horizontal bar. The emphasis for products covered by this standard is on safe exit rather than security.

SCOPE - EN 1125
The main purpose of the performance requirements of this standard is to give safe and effective escape through a doorway with minimum effort and without prior knowledge of the device, i.e. for locked doors on escape routes where panic situations can be foreseen.

CLASSIFICATION
EN 1125 classify panic exit devices by using a 10 digit coding system. A similar classification applies to all building hardware product standards so that complementary items of hardware can be specified to, for instance, a common level of corrosion resistance, category of use, etc. Each digit refers to a particular feature of the product measured against the standard’s performance requirements.

CE marking
Panic exit devices intended for use on escape route doors are covered by a Construction Products Directive mandate issued by the European Commission. Consequently, these standards are regarded as “harmonised” standards and compliance with them, supported by suitable evidence, allows for the application of the CE mark.

As panic exit devices have a critical safety function, application of the CE mark will require the involvement of a notified certification body to provide verification of the compliance claims. This will involve initial type-testing of the product according to EN 1125, initial inspection of the manufacturer’s factory production control and continuing surveillance and approval of the factory production control. On satisfactory fulfilment of these tasks, the notified body issues an EC Certificate of Conformity which then permits the manufacturer to declare compliance and affix the CE marking to his product.

The standard requires the following additional information to accompany the CE marking:
- the identification number of the notified certification body
- the name or identifying mark of the manufacturer
- the registered address of the manufacturer
- the last two digits of the year in which the marking was applied
- the number of the EC certificate of conformity
- reference to EN 1125 as appropriate
- the classification code of the product

Note that, although the notified body has to be involved to verify the manufacturer’s claims, the manufacturer remains responsible for designing and producing the product, for affixing the CE marking, and for ensuring that the product meets the requirements of the Directive.
Panic exit devices operated by a horizontal bar, for use on escape routes
EN1125:2008

Specification issues
- The decision as to which products are specified should be made on the basis of the building use and occupancy. Products incorporating a horizontal bar (EN 1125) to operate the exit device must be used in public buildings, places of public entertainment, shops and any other location where the building occupants do not have prior knowledge of the escape device and where a panic situation can be foreseen.
- If there is any doubt about the conditions relating to building occupancy, it is recommended that devices covered by EN 1125 should be specified.
- For safety reasons the push bar of a type “A” panic device shall not protrude beyond either of the end supports. This means that for pairs of rebated doors, the traditional “double panic bolt” will not be permitted. An acceptable solution is for a single vertical panic bolt to be fitted on the “inactive leaf” and a panic latch on the “active leaf”.
- A grade 2 (low projection) panic device should be used in situations where there is restricted width for escape or where doors are not able to open beyond 90°.
- Panic device push and touch bars should be installed to provide the maximum effective length but never less than 60% of the door leaf width.

Digit 1
Category of use for device
Only one grade of use. Grade 3: High frequency of use, where there is little incentive to exercise care, i.e. where there is a chance of an accident occurring and of misuse.
For example doors to shops, hospitals, schools, etc.

Digit 2
Durability of device
Grade 7: 200,000 cycle tested

Digit 3
Door mass
Grade 6: Up to 200kg

Digit 4
Fire resistance
Grade 0: Not approved for fire/smoke door assemblies.
Grade B: Suitable for use on fire and smoke door assemblies.

Digit 5
Safety category
Only one safety category.
Grade 1: All emergency/panic exit devices have a critical safety function, therefore only the top grade is identified.

Digit 6
Corrosion resistance
Device subjected to a salt spray.
Grade 3: High resistance; device operable after 96 hours.

Digit 7
Security
Grade 2 only: 1000N force applied.

Digit 8
Projection of device operating element
Grade 2: Up to 100mm.

Digit 9
Type of operation
Grade A: Panic device with cross bar.
Grade B: Panic device with push bar.

Digit 10
Door application
Category A: Device suitable for outward opening single or double (active or inactive* leaf) exit door.

*Inactive leaf also known as the passive, or second to open leaf.
Panic exit devices operated by a horizontal bar, for use on escape routes

EN1125:2008

Standards
The ASSA ABLOY Series Panic Exit Devices meet or surpass the following European Standards

🔥 FIRE RATED
These products have been successfully tested on fire door assemblies in accordance with European Standard EN 1634-1 Fire resistance test for door and shutter assemblies - Part 1: Fire doors and shutters.

🛡️ ANTI-CORROSION
This product has been successfully tested in accordance with EN 1670:2007 Corrosion Resistance.
Panic Exit Devices
Panic exit devices
ASSA ABLOY range

This new range of product is based on a new modular concept and a common design, under a unique platform for both push and cross bar panic exit devices. The new panic exit devices ASSA ABLOY platform has the following features:

- Rim and Mortise version
- Modular type – stock reduction
- Cross and Push bar
- 1, 2, 3 locking point versions (vertical and lateral) – RIM
- For doors 1200 x 2400 mm in standard
- Easy installation and adjustment
- Wide range of finishes
- Compatible accessories
- Wide range of outside trims
- Hold Open and Micro switch versions
- Glass door kit - RIM
- Certified according to EN 1125:2008
- Durability of 200,000 cycles
- For Fire Rated applications (not HO version)
# Panic exit devices

## ASSA ABLOY range

### Standard finishes

#### CROSS BAR

<table>
<thead>
<tr>
<th>Covers, Fix bars, Rods</th>
<th>Tube</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>R red RAL 3000</td>
<td>G silver RAL 9006</td>
</tr>
<tr>
<td>black RAL 9005</td>
<td>N</td>
<td>*</td>
</tr>
<tr>
<td>silver RAL 9006</td>
<td>G</td>
<td>*</td>
</tr>
<tr>
<td>S/steel effect</td>
<td>S</td>
<td></td>
</tr>
<tr>
<td>S/steel</td>
<td>I</td>
<td>*</td>
</tr>
</tbody>
</table>

#### PUSH BAR

<table>
<thead>
<tr>
<th>Covers, Fix bars, Rods</th>
<th>Active bar</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>R red RAL 3000</td>
<td>G silver RAL 9006</td>
</tr>
<tr>
<td>black RAL 9005</td>
<td>N</td>
<td>*</td>
</tr>
<tr>
<td>silver RAL 9006</td>
<td>G</td>
<td>*</td>
</tr>
<tr>
<td>S/steel effect</td>
<td>S</td>
<td></td>
</tr>
</tbody>
</table>

### Typical door installation

![Typical door installation](image)
Ped 200

Characteristics
- Panic exit device with central locking point - RIM
- Modular cross bar type
- For Fire and Smoke applications
- High durability 200,000 cycles
- One central locking point
- For one or double leaf door up to 200 kg
- For all types of the door
- For doors up to 1200 mm width in standard
- For doors up to 1400 mm width in option
- Steel pulman latch in standard
- Dead latch in standard
- Zinc alloy or s/steel cover 38 mm width
- Steel or s/steel bar 1075 mm long
- Bar to be cut
- 97 mm projection
- HO function in option
- Micro switch version in option

Accessories
- Outside trims Modular series
- Half cylinder (MKS possible)
- Various strikers
- Glass door installation kit

Finishes
- Covers:
  - Black RAL 9005
  - Silver RAL 9006
  - S/Steel effect
  - S/Steel

Bars:
- Red RAL 3000
- Silver RAL 9006
- S/Steel

Specification

<table>
<thead>
<tr>
<th>Accessories</th>
<th>Blind plate</th>
<th>Modular lever handle</th>
</tr>
</thead>
<tbody>
<tr>
<td>No outside opening</td>
<td>●</td>
<td></td>
</tr>
<tr>
<td>Free passing door</td>
<td>●</td>
<td></td>
</tr>
<tr>
<td>Cylinder looking - knob / lever handle opening</td>
<td>●</td>
<td></td>
</tr>
</tbody>
</table>

Ordering numbers

| PED 200|--/GG | MNAT101M02SGGAA | cross bar | central locking point PED with steel latch and dead latch, 1200 mm wide door, grey support and bar |
| PED 200|--/NR | MNAT101M02SNRAA | cross bar | central locking point PED with steel latch and dead latch, 1200 mm wide door, black support and red bar |
| PED 200|--/SI | MNAT101M02SSIAA | cross bar | central locking point PED with steel latch and dead latch, 1200 mm wide door, s/steel effect support and s/steel bar |
| PED 200|--/II | MNAT101M02SIIAA | cross bar | central locking point PED with steel latch and dead latch, 1200 mm wide door, s/steel support and bar |
| PED 200/HO/GG | MNAT111M02SGGAA | cross bar | central locking point PED with steel latch and dead latch, 1200 mm wide door, grey support and bar - HO function |
| PED 200/HO/NR | MNAT111M02SNRAA | cross bar | central locking point PED with steel latch and dead latch, 1200 mm wide door, black support and red bar - HO function |
| PED 200/HO/SI | MNAT111M02SSIAA | cross bar | central locking point PED with steel latch and dead latch, 1200 mm wide door, s/steel effect support and s/steel bar - HO function |
| PED 200/HO/II | MNAT111M02SIIAA | cross bar | central locking point PED with steel latch and dead latch, 1200 mm wide door, s/steel support and bar - HO function |
**Ordering numbers**

<table>
<thead>
<tr>
<th>PED 200</th>
<th>PED/GV</th>
</tr>
</thead>
<tbody>
<tr>
<td>PED 200</td>
<td>--GG</td>
</tr>
<tr>
<td>PED 200</td>
<td>--NR</td>
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<td>PED 200</td>
<td>--SH</td>
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<td>PED 200(HO)</td>
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<td>SH</td>
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<td>PED(G)/S</td>
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<td>PED(G)/N</td>
<td>KITMNCFT1S3VFN</td>
</tr>
<tr>
<td>PED(G)/S</td>
<td>KITMNCFT1S3VFY</td>
</tr>
</tbody>
</table>

**Characteristics of PED 200**

- Set of 2/3 locking points PED composed of Modular Cross Bar and kit for 2 vertical locking points
- Modular cross bar type
- For Fire and Smoke applications
- High durability 200,000 cycles
- One central locking point
- For one or double leaf door up to 200 kg
- For all types of the door
- For doors up to 1200 mm width in standard
- For doors up to 1400 mm width in option
- Dead latch in standard
- Steel swing latch
- Zinc alloy or s/steel cover 38 mm length
- Steel or s/steel bar 1075 mm long
- Bar to be cut
- 97 mm projection
- HO function in option
- Micro switch version in option

**Characteristics of PED/GV**

- Set of rods, rod covers and vertical latches
- To fit modular cross bar
- For 2 (top & bottom) vertical locking points installation
- For one or double leaf door
- For doors up to 2350 mm high in standard
- For doors up to 3200 mm high in option
- Steel pulman latches

**Accessories**

- Outside trims Modular series
- Half cylinder (MKS possible)
- Various strikers
- Glass door installation kit
- Rod extension for doors up to 3200 mm

**Finishes**

- Latches covers:
  - Black RAL 9005
  - Silver RAL 9006
  - Chrome effect
  - Steel
- Bars:
  - Red RAL 3000
  - Silver RAL 9006
  - Chrome effect
- Rod covers:
  - Black RAL 9005
  - Silver RAL 9006
  - Chrome effect

**Specification**

<table>
<thead>
<tr>
<th>Outside device</th>
<th>Blind plate</th>
<th>Modular lever handle</th>
</tr>
</thead>
<tbody>
<tr>
<td>No outside opening</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Cylinder locking - knob / lever handle opening</td>
<td>●</td>
<td>●</td>
</tr>
</tbody>
</table>

**EN 1125 certification:**

```
3 7 6 0/B 1 3 2 2 A A
```
**PED 200 + PED/GL**

**Characteristics of PED 200**
- Set of PED composed of Modular Cross Bar and kit for 2/3 lateral locking points
- Modular cross bar type
- For Fire and Smoke applications
- High durability 200,000 cycles
- One central locking point
- For one or double leaf door up to 200 kg
- For all types of the door
- For doors up to 1200 mm width in standard
- For doors up to 1400 mm width in option
- Steel pulman latch in standard
- Dead latch in standard
- Steel or zinc alloy swing latch
- Zinc alloy or s/steel cover 38 mm length
- Steel or s/steel bar 1075 mm long
- Bar to be cut
- 97 mm projection
- HO function in option
- Micro switch version in option

**Characteristics of PED/GL**
- Set of rods, rod covers and lateral latches
- To fit modular cross bar
- For 2 lateral locking points installation
- For one or double leaf door
- For doors up to 2350 mm high in standard
- For doors up to 3200 mm high in option
- Steel pulman latches
- Dead latches in standard

**Accessories**
- Outside trims Modular series
- Half cylinder (MKS possible)
- Various strikers
- Glass door installation kit
- Rod extension for doors up to 3200 mm

**Finishes**
- Latches covers:
  - Black RAL 9005
  - Silver RAL 9006
  - S/Steel effect
  - S/Steel
- Bars:
  - Red RAL 3000
  - Silver RAL 9006
  - S/Steel
- Rod covers:
  - Black RAL 9005
  - Silver RAL 9006
  - S/Steel effect

EN 1125 certification:
```
3 7 6 0/B 1 3 2 2 A A
```

**Specification**

<table>
<thead>
<tr>
<th>Outside device</th>
<th>Blind plate</th>
<th>Modular handle</th>
</tr>
</thead>
<tbody>
<tr>
<td>No outside opening</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Free passing door</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Cylinder looking - knob / lever handle opening</td>
<td>●</td>
<td>●</td>
</tr>
</tbody>
</table>

**Ordering numbers**

<table>
<thead>
<tr>
<th>PED</th>
<th>M/N</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PED 200/1/1/GG</td>
<td>MNT101M02SGGA</td>
<td>central locking point PED with steel latch and dead latch, 1200 mm wide door, grey support and bar</td>
</tr>
<tr>
<td>PED 200/1/1/NR</td>
<td>MNT101M02SNRA</td>
<td>central locking point PED with steel latch and dead latch, 1200 mm wide door, black support and red bar</td>
</tr>
<tr>
<td>PED 200/1/1/II</td>
<td>MNT101M02SIIA</td>
<td>central locking point PED with steel latch and dead latch, 1200 mm wide door, s/steel effect support and s/steel bar</td>
</tr>
<tr>
<td>PED 200/2/1/GG</td>
<td>MNT111M02SGGAA</td>
<td>central locking point PED with steel latch and dead latch, 1200 mm wide door, grey support and bar - HO function</td>
</tr>
<tr>
<td>PED 200/2/1/NR</td>
<td>MNT111M02SNRAA</td>
<td>central locking point PED with steel latch and dead latch, 1200 mm wide door, black support and red bar - HO function</td>
</tr>
<tr>
<td>PED 200/2/1/II</td>
<td>MNT111M02SIIAA</td>
<td>central locking point PED with steel latch and dead latch, 1200 mm wide door, s/steel effect support and s/steel bar - HO function</td>
</tr>
<tr>
<td>PED/1/1/G</td>
<td>KTMNCF1S3SLFG</td>
<td>lateral KIT for two lateral locking points and rod cover PED with steel latch grey support and vertical rod cover</td>
</tr>
<tr>
<td>PED/1/1/N</td>
<td>KTMNCF1S3SLFN</td>
<td>lateral KIT for two lateral locking points and rod cover PED with steel latch black support and vertical rod cover</td>
</tr>
<tr>
<td>PED/1/1/S</td>
<td>KTMNCF1S3SLFS</td>
<td>lateral KIT for two lateral locking points and rod cover PED with steel latch satin support and vertical rod cover</td>
</tr>
</tbody>
</table>
**PED 300**

**Characteristics**
- Panic exit device with central locking point - RIM
- Modular push bar type
- For Fire and Smoke applications
- High durability 200,000 cycles
- One central locking point
- For one or double leaf door up to 200 kg
- For all types of the door
- For doors up to 1200 mm width in standard
- For doors up to 1400 mm width in option
- Steel pulman latch in standard
- Dead latch in standard
- Steel or zinc alloy swing latch
- Zinc alloy cover 38 mm width
- Aluminium touch bar 1046 mm long
- Bar to be cut
- 73 mm projection
- HO function in option
- Micro switch version in option

**Accessories**
- Outside trims Modular series
- Half cylinder (MKS possible)
- Various strikers
- Glass door installation kit

**Finishes**

**Covers:**
- Black RAL 9005
- Silver RAL 9006
- Steel or zinc effect

**Bars:**
- Red RAL 3000
- Silver RAL 9006
- Steel or zinc effect

**Specification**

<table>
<thead>
<tr>
<th>Outside device</th>
<th>Blind plate</th>
<th>Modular lever handle</th>
</tr>
</thead>
<tbody>
<tr>
<td>No outside opening</td>
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</tr>
<tr>
<td>Cylinder looking - knob / lever handle opening</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Cylinder looking - key opening</td>
<td>●</td>
<td>●</td>
</tr>
</tbody>
</table>

**Ordering numbers**

| PED (HO)GG | MN81T11M02SGGAA push bar | central locking point PED with steel latch and dead latch, 1200 mm wide door, grey support and bar |
| PED (HO)NR | MN81T11M02SGNRAA push bar | central locking point PED with steel latch and dead latch, 1200 mm wide door, black support and red bar |
| PED (HO)GA | MN81T11M02SGGAA push bar | central locking point PED with steel latch and dead latch, 1200 mm wide door, grey support and bar - HO function |
| PED (HO)NR | MN81T11M02SGNRAA push bar | central locking point PED with steel latch and dead latch, 1200 mm wide door, black support and red bar - HO function |
| PED (HO)GA | MN81T11M02SGGAA push bar | central locking point PED with steel latch and dead latch, 1200 mm wide door, grey support and bar - HO function |
**PANIC EXIT DEVICES**

**Rim version**

---

**PED 300 + PED/GV**

- Set of 2/3 locking points PED composed of Modular Push Bar and kit for 2 vertical locking points

**Characteristics of PED 300**

- Modular push bar type
- For Fire and Smoke applications
- High durability 200,000 cycles
- One central locking point
- For one or double leaf door up to 200 kg
- For all types of the door
- For doors up to 1200 mm wide in standard
- For doors up to 1500 mm wide in option
- Steel pulman latch in standard
- Dead latch in standard
- Zinc alloy cover 38 mm width
- Aluminium touch bar 1046 mm long
- Bar to be cut
- 73 mm projection
- HO function in option
- Micro switch version in option

**Characteristics of PED/GV**

- Set of rods, rod covers and vertical latches
- To fit modular cross bar
- For 2 (top & bottom) vertical locking points installation
- For one or double leaf door
- For doors up to 2350 mm high in standard
- For doors up to 3200 mm high in option
- Steel pulman latches

**Accessories**

- Outside trims Modular series
- Half cylinder (MKS possible)
- Various strikers
- Glass door installation kit
- Rod extension for doors up to 3200 mm

**Finishes**

<table>
<thead>
<tr>
<th>Latches covers:</th>
<th>Bars:</th>
<th>Rod covers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black RAL 9005</td>
<td>Red RAL 3000</td>
<td>Black RAL 9005</td>
</tr>
<tr>
<td>Silver RAL 9006</td>
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<td>S/Steel effect</td>
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</table>

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<td>Cylinder looking - knob / lever handle opening</td>
<td></td>
<td>●</td>
</tr>
</tbody>
</table>

**Ordering numbers**

<table>
<thead>
<tr>
<th>PED 300/(-GG)</th>
<th>MNB101M02SGGAA</th>
<th>push bar</th>
<th>central locking point PED with steel latch and dead latch, 1200 mm wide door; grey support and bar</th>
</tr>
</thead>
<tbody>
<tr>
<td>PED 300/(-NR)</td>
<td>MNB101M02SNRAA</td>
<td>push bar</td>
<td>central locking point PED with steel latch and dead latch, 1200 mm wide door; black support and red bar</td>
</tr>
<tr>
<td>PED 300/(-SA)</td>
<td>MNB101M02SSAAA</td>
<td>push bar</td>
<td>central locking point PED with steel latch and dead latch, 1200 mm wide door; s/steel effect support and s/steel bar</td>
</tr>
<tr>
<td>PED 300/HO/(-GG)</td>
<td>MNB101M02SGGAA</td>
<td>push bar</td>
<td>central locking point PED with steel latch and dead latch, 1200 mm wide door; grey support and bar - HO function</td>
</tr>
<tr>
<td>PED 300/HO/(-NR)</td>
<td>MNB101M02SNRAA</td>
<td>push bar</td>
<td>central locking point PED with steel latch and dead latch, 1200 mm wide door; black support and red bar - HO function</td>
</tr>
<tr>
<td>PED 300/HO/(-SA)</td>
<td>MNB101M02SSAAA</td>
<td>push bar</td>
<td>central locking point PED with steel latch and dead latch, 1200 mm wide door; s/steel effect support and s/steel bar - HO function</td>
</tr>
<tr>
<td>PED/GV/</td>
<td>KITMC01S35VC</td>
<td>vertical KIT</td>
<td>Modular KIT for two vertical locking points and rod cover PED with steel latch grey support and vertical rod cover</td>
</tr>
<tr>
<td>PED/GV/</td>
<td>KITMC01S35VN</td>
<td>vertical KIT</td>
<td>Modular KIT for two vertical locking points and rod cover PED with steel latch black support and vertical rod cover</td>
</tr>
<tr>
<td>PED/GV/</td>
<td>KITMC01S35VS</td>
<td>vertical KIT</td>
<td>Modular KIT for two vertical locking points and rod cover PED with steel latch satin support and vertical rod cover</td>
</tr>
</tbody>
</table>
PED 300 + PED/GL

**Characteristics of PED 300**
- Modular push bar type
- For Fire and Smoke applications
- High durability 200,000 cycles
- One central locking point
- For one or double leaf door up to 200 kg
- For all types of the door
- For doors up to 1200 mm width in standard
- For doors up to 1500 mm width in option
- Steel pulman latch in standard
- Dead latch in standard
- Steel or zinc alloy swing latch
- Zinc alloy cover 38 mm width
- Aluminium touch bar 1046 mm long
- Bar to be cut
- 73 mm projection
- HO function in option
- Micro switch version in option

**Characteristics of PED/GL**
- Set of rods, rod covers and lateral latches
- To fit modular cross bar
- For 2 lateral locking points installation
- For one or double leaf door
- For doors up to 2350 mm high in standard
- For doors up to 3200 mm high in option
- Steel pulman latches
- Dead latches in standard

**Accessories**
- Outside trims Modular series
- Half cylinder (MKS possible)
- Various strikers
- Glass door installation kit
- Rod extension for doors up to 3200 mm

**Specification**

<table>
<thead>
<tr>
<th>Latches covers:</th>
<th>Bars:</th>
<th>Rod covers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black RAL 9005</td>
<td>Red RAL 3000</td>
<td>Black RAL 9005</td>
</tr>
<tr>
<td>Silver RAL 9006</td>
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</tr>
<tr>
<td>S/Steel effect</td>
<td>S/Steel effect</td>
<td>S/Steel effect</td>
</tr>
</tbody>
</table>

**Ordering numbers**

| PED 300/---GG  | MNB1T10M02GGAA | push bar | central locking point PED with steel latch and dead latch, 1200 mm wide door, grey support and bar |
| PED 300/---NR  | MNB1T10M02NRAA | push bar | central locking point PED with steel latch and dead latch, 1200 mm wide door, black support and red bar |
| PED 300/---SA  | MNB1T10M02SSAA | push bar | central locking point PED with steel latch and dead latch, 1200 mm wide door, s/steel effect support and s/steel bar |
| PED 300/---GG | MNB1T11M02GGAA | push bar | central locking point PED with steel latch and dead latch, 1200 mm wide door, grey support and bar - HO function |
| PED 300/---NR | MNB1T11M02NRAA | push bar | central locking point PED with steel latch and dead latch, 1200 mm wide door, black support and red bar - HO function |
| PED 300/---SA | MNB1T11M02SSAA | push bar | central locking point PED with steel latch and dead latch, 1200 mm wide door, s/steel effect support and s/steel bar - HO function |
| PED/GL/G      | KTMNC15S5LFG  | lateral KIT | Modular KIT for two/three lateral locking points and rod cover PED with steel latch grey support and vertical rod cover |
| PED/GL/N      | KTMNC15S3LJN  | lateral KIT | Modular KIT for two/three lateral locking points and rod cover PED with steel latch black support and vertical rod cover |
| PED/GL/S      | KTMNC15S3LFS  | lateral KIT | Modular KIT for two/three lateral locking points and rod cover PED with steel latch satin support and vertical rod cover |

**Fire rated**

- EN 1125 certification:
Vertical and lateral rod devices

Vertical Rod Device
Length: 1100 mm

PED/GV

Lateral Rod Device
Length: 1100 mm

PED/GL
OT 200

Outside trims

Specification
- Outside trims rim type
- Same design in various options
- With or without half DIN cylinder

Accessories
- Half DIN cylinder 30x10 mm

Finishes
- PL: silver
- NE: black
- SA: stainless steel effect

Ordering numbers:

| PED/A/210NE | MMPS100NEAA | MODULAR HANDLE NO CYLINDER BLACK INCLUDING 8MM SQUARE SPINDLE |
| PED/A/210PL | MMPS100PLAA | MODULAR HANDLE NO CYLINDER SILVER INCLUDING 8MM SQUARE SPINDLE |
| PED/A/210SA | MMPS100SAAAA | MODULAR HANDLE NO CYLINDER SATIN INCLUDING 8MM SQUARE SPINDLE |
| PED/A/220NE | MMPS25CNAAA | MODULAR HANDLE WITH CYLINDER HOLE BLACK INCLUDING 8MM SQUARE SPINDLE |
| PED/A/220PL | MMPS25CPLAA | MODULAR HANDLE WITH CYLINDER HOLE SILVER INCLUDING 8MM SQUARE SPINDLE |
| PED/A/220SA | MMPS25SCSAAA | MODULAR HANDLE WITH CYLINDER HOLE SATIN INCLUDING 8MM SQUARE SPINDLE |
| PED/A/230NE | MMPP25CNAAA | MODULAR SWING PULL KNOB WITH CYLINDER HOLE BLACK INCLUDING 8MM SQUARE SPINDLE |
| PED/A/230PL | MMPP25CPLAA | MODULAR SWING PULL KNOB WITH CYLINDER HOLE SILVER INCLUDING 8MM SQUARE SPINDLE |
| PED/A/230SA | MMPP25SCSAAA | MODULAR SWING PULL KNOB WITH CYLINDER HOLE SATIN INCLUDING 8MM SQUARE SPINDLE |
Panic Exit Devices
Mortise version

PED 500

• Panic exit device with central locking point - Mortise

Characteristics

• Cross bar type
• Certified with locks with panic function (72 and 92 mm axis)
• For Fire and Smoke applications
• High durability 200,000 cycles
• For one or double leaf door up to 200 kg
• For all types of the door
• For doors up to 1200 mm width in standard
• For doors up to 1400 mm width in option
• Zinc alloy or s/steel cover 38 mm width
• Steel or s/steel bar 1075 mm long
• Bar to be cut
• 97 mm projection
• Micro switch version in option

Accessories

• Outside trims (e.g. Sena series)
• Cylinder (MKS possible)
• Various strikers
• Certified locks series: 1739, 1769, 1901, 1921, 9670, N4500
• Various spindles

Finishes

Covers:
• Black RAL 9005
• Silver RAL 9006
• S/Steel effect
• S/Steel

Bars:
• Red RAL 3000
• Silver RAL 9006
• S/Steel

Ordering numbers

<table>
<thead>
<tr>
<th>PED 500</th>
<th>Ordering number</th>
<th>Cross bar</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>--/CG</td>
<td>LITE11209GCAA</td>
<td>cross bar</td>
<td>Mortise PED, 1200 mm wide door; 9mm follower, long baseplate, grey support and bar</td>
</tr>
<tr>
<td>--/NR</td>
<td>LITE11209NRAA</td>
<td>cross bar</td>
<td>Mortise PED, 1200 mm wide door; 9mm follower, long baseplate, black support and red bar</td>
</tr>
<tr>
<td>--/SI</td>
<td>LITE11209SIAA</td>
<td>cross bar</td>
<td>Mortise PED, 1200 mm wide door; 9mm follower, long baseplate, S/steel effect support and S/steel bar</td>
</tr>
<tr>
<td>--/II</td>
<td>LITE11209IIAA</td>
<td>cross bar</td>
<td>Mortise PED, 1200 mm wide door; 9mm follower, long baseplate, S/steel support and bar</td>
</tr>
</tbody>
</table>

EN 1125 certification:

3 7 6 8 1 3 2 2 A A
Fire rated

PED 700

- Panic exit device with central locking point - Mortise
- Push bar type
- Certified with locks with panic function 
  (72 and 92 mm axis)
- For Fire and Smoke applications
- High durability 200,000 cycles
- For one or double leaf door up to 200 kg
- For all types of the door
- For doors up to 1200 mm width in standard
- For doors up to 1400 mm width in option
- Zinc alloy cover 38 mm width
- Aluminium touch bar 1046 mm long
- Bar to be cut
- 73 mm projection
- Micro switch version in option

Accessories

- Outside trims (e.g. Sena series)
- Cylinder (MKS possible)
- Various strikers
- Certified locks series: 1739, 1769, 1901, 1921, 9670, N4500
- Various spindles

Finishes

- Covers:
  - Black RAL 9005
  - Silver RAL 9006
  - S/Steel effect
- Bars:
  - Red RAL 3000
  - Silver RAL 9006
  - S/Steel effect

Ordering numbers

| PED 700--GG | QUICK1209GGAAA | push bar | Mortise PED, 1200 mm wide door; 9mm follower, long baseplate, grey support and bar |
| PED 700--NR | QUICK1209NKAAA | push bar | Mortise PED, 1200 mm wide door; 9mm follower, long baseplate, black support and red bar |
| PED 700--SI | QUICK1209SAAA | push bar | Mortise PED, 1200 mm wide door; 9mm follower, long baseplate, s/steel effect support and bar |

EN 1125 certification:

\[
\begin{array}{cccccccc}
3 & 7 & 6 & 8 & 1 & 3 & 2 & 2 & 8 & A
\end{array}
\]
OT 500

Outside trims

• Outside trims for mortise version
• Same design for different solutions

Accessories
• DIN cylinder

Finishes
NE: black
PP: silver
S16: s/steel

Ordering numbers

<table>
<thead>
<tr>
<th>PED/A/510/NE</th>
<th>EDF90EXNE</th>
<th>Blind plate BLACK finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>PED/A/510/PP</td>
<td>EDF90EXPP</td>
<td>Blind plate SILVER finish</td>
</tr>
<tr>
<td>PED/A/510/IS</td>
<td>EDF90EXIS16</td>
<td>Blind plate S/STEEL finish</td>
</tr>
<tr>
<td>PED/A/520/NE</td>
<td>EDF91EXNE</td>
<td>Europrofile plate BLACK finish</td>
</tr>
<tr>
<td>PED/A/520/PP</td>
<td>EDF91EXPP</td>
<td>Europrofile plate SILVER finish</td>
</tr>
<tr>
<td>PED/A/520/IS</td>
<td>EDF91EXIS16</td>
<td>Europrofile plate S/STEEL finish</td>
</tr>
<tr>
<td>PED/A/540/NE</td>
<td>SDF92EXNE</td>
<td>SENA lever handle + europrofile BLACK finish</td>
</tr>
<tr>
<td>PED/A/540/PP</td>
<td>SDF92EXPP</td>
<td>SENA lever handle + europrofile SILVER finish</td>
</tr>
<tr>
<td>PED/A/540/IS</td>
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<td>SENA lever handle + europrofile S/STEEL finish</td>
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<td>PED/A/550/NE</td>
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<td>SENA blind plate + europrofile BLACK finish</td>
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<tr>
<td>PED/A/550/PP</td>
<td>SDF93EXPP</td>
<td>SENA blind plate + europrofile SILVER finish</td>
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<td>SDF93EXIS16</td>
<td>SENA blind plate + europrofile S/STEEL finish</td>
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<tr>
<td>PED/A/530/NE</td>
<td>TTF72UNE</td>
<td>pull knob + europrofile BLACK finish</td>
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<tr>
<td>PED/A/530/PP</td>
<td>TTF72UPP</td>
<td>pull knob + europrofile SILVER finish</td>
</tr>
<tr>
<td>PED/A/530/IS</td>
<td>TTF72UIS16</td>
<td>pull knob + europrofile S/STEEL finish</td>
</tr>
</tbody>
</table>
Locks with Panic Functions
Panic Function

Panic lock with locking function
(Latch lever function) “E”
The dead bolt and the latch bolt are switched back by key from the outside. The door is open now. But the door can be opened any time by the handle (from the inside), even when the dead bolt is locked. After a panic release and shutting the door, the door is still not accessible by the outer handle. Admittedly the door is only locked by the latch bolt, because the dead bolt stays inside the lock case until locking by key.

Panic lock with locking function
(Switching function with dead bolt) “B”
To open the door from the outside, the outer handle must be enabled by a key (the key must be turned in the opening direction to the end position). Now the door is accessible from the inside and the outside. If the key is turned to the closing direction until the dead bolt is locked and then taken out of the cylinder, the outer handle switches automatically into the idle mode. But the door can be opened any time by the inner handle, even without a key. After panic release from the inside and shutting the door, the door is still not accessible from the outside (locked).

Outside  | Inside
---|---
No access to the inside  | Access to the outside
No access to the inside  | Access to the outside (outer handle enabled)
No access to the inside  | Access to the outside (outer handle disables, also after panic release)
No access to the inside  | Access to the outside

Usage reference

For doors where an unauthorized access from the outside must always be prevented. The door cannot accidentally be unlocked, because after shutting the door, opening from the outside is only possible by a key.

Usage reference

For doors which must allow a temporary access from the inside and the outside. After a panic release from the inside, the outer handle is still in the idle mode.
**Panic lock with locking function**  
*(Passage function)* "D"  
To open the door from the outside, the dead bolt can be switched back by the key and the latch can be switched back by the outer handle. The door is now accessible from the inside and the outside. If the dead bolt is locked by key the door is not accessible from the outside anymore, because the door is held by the dead bolt. But the door is accessible any time from the inside by the handle, even without a key. After panic release (from the inside) and shutting the door, the door is accessible from the outside (open).

---

**Usage reference**  
For doors that must allow a temporary access from the inside and the outside. After a panic release from the inside the door is accessible from the outside, e.g. to allow easy access for rescue staff.
Locks with panic functions

Directions

Door handings or handing identifications for locks are defined according to DIN 107 as "Building construction; identification of right and left side".

View on the front side of the front plate

DIN left inwards outside inside

DIN left outwards outside inside

DIN right inwards outside inside

DIN right outwards outside inside
Installation and operation

The spindle must not be driven by force through the lock follower.

The leaf must not be bored through in the lock area when the lock is installed.

The door leaf must not be supported at the handle.

Handle and key must not be operated simultaneously.

The lock bolt must not be prelocked with the door being open.

Double wing doors must not be opened by force via the fixed leaf.

The panic handle must not be continuously operated, only in case of danger.

A key must never be left in the panic lock.

Locks are to be lubricated at least once a year (oil that does not secrete resin).

The handle must only be loaded in the normal sense of rotation. A power of maximally 150 N can be applied on the handle towards operation sense. The lock must only be closed by using the appropriate key (and not by using other objects).

Lock bolt and latch must not be painted over or lacquered.

As soon as marks of force are visible the lock must be replaced.

The centres between the lock forend plate and the stringer plate should range between 2 mm and 5 mm.

For locks subject to DIN 18251-1 the milling of the lock recesses is defined in DIN 18101. A lock not subject to DIN 18251-1 must be mounted without stress and be tested for friction-free function.

Doors are to be installed according to the instructions given by the manufacturer and to be operated according to the valid standards (often complaints are made about locks that do not function properly due to wrongly installed doors (frame size)).

Exclude kicks (vandalism).

Single furniture parts should only be combined if they have been produced by one manufacturer.
Locks for Narrow Profile Doors with Panic Functions
### Specification
- Anti-panic lock
- Suitable for inner doors and entrance doors
- Reversible latch bolt
- Backset 30, 35, 40 and 45 mm
- Distance 92 mm
- With one-piece (function “E”) or two-piece (function “D”) follower 8 mm
- Stainless steel front plate 24 x 245 mm

### Standards
- EN 12209: 2003
- EN 1125: 2008
- EN 179: 2008

### Accessories
- Handles
- DIN cylinder
- Strike plate P9600/17 (stainless steel)
- Split spindle 8 mm
- Horizontal anti-panic bar (see panic bar section)

### Ordering numbers

<table>
<thead>
<tr>
<th>Ordering number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>9967207001</td>
<td>anti-panic lock, backset 30 mm, one piece 8 mm follower (E function)</td>
</tr>
<tr>
<td>9967207201</td>
<td>anti-panic lock, backset 30 mm, two piece 8 mm follower (D function), left hand</td>
</tr>
<tr>
<td>9967207202</td>
<td>anti-panic lock, backset 30 mm, two piece 8 mm follower (D function), right hand</td>
</tr>
<tr>
<td>9967307001</td>
<td>anti-panic lock, backset 35 mm, one piece 8 mm follower (E function)</td>
</tr>
<tr>
<td>9967307201</td>
<td>anti-panic lock, backset 35 mm, two piece 8 mm follower (D function), left hand</td>
</tr>
<tr>
<td>9967307202</td>
<td>anti-panic lock, backset 35 mm, two piece 8 mm follower (D function), right hand</td>
</tr>
<tr>
<td>9967407001</td>
<td>anti-panic lock, backset 30 mm, one piece 8 mm follower (E function)</td>
</tr>
<tr>
<td>9967407201</td>
<td>anti-panic lock, backset 40 mm, two piece 8 mm follower (D function), left hand</td>
</tr>
<tr>
<td>9967407202</td>
<td>anti-panic lock, backset 40 mm, two piece 8 mm follower (D function), right hand</td>
</tr>
<tr>
<td>9967507001</td>
<td>anti-panic lock, backset 45 mm, one piece 8 mm follower (E function)</td>
</tr>
<tr>
<td>9967507201</td>
<td>anti-panic lock, backset 45 mm, two piece 8 mm follower (D function), left hand</td>
</tr>
<tr>
<td>9967507202</td>
<td>anti-panic lock, backset 45 mm, two piece 8 mm follower (D function), right hand</td>
</tr>
</tbody>
</table>
Locks for Narrow Profile Doors with Panic Functions

**Specifications**
- Anti-panic lock
- Suitable for inner doors and entrance doors
- Reversible latch bolt
- Backset 30, 35, 40 and 45 mm
- Distance 92 mm
- With one-piece (function “E”) or two-piece (function “D”) follower 9 mm
- Stainless steel front plate 24 x 245 mm

**Standards**
- EN 12209: 2003
- EN 1125: 2008
- EN 179: 2008

**Accessories**
- Handles
- 8/9 mm adaptor (optional)
- DIN cylinder
- Strike plate P9600/17 (stainless steel)
- Horizontal anti-panic bar (see panic bar section)

**Ordering numbers**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>9967208001</td>
<td>anti-panic lock, backset 30 mm, one piece 9 mm follower (E function), fire rated</td>
</tr>
<tr>
<td>9967208201</td>
<td>anti-panic lock, backset 30 mm, two piece 9 mm follower (D function), fire rated, left hand</td>
</tr>
<tr>
<td>9967208202</td>
<td>anti-panic lock, backset 30 mm, two piece 9 mm follower (D function), fire rated, right hand</td>
</tr>
<tr>
<td>9967308001</td>
<td>anti-panic lock, backset 35 mm, one piece 9 mm follower (E function), fire rated</td>
</tr>
<tr>
<td>9967308201</td>
<td>anti-panic lock, backset 35 mm, two piece 9 mm follower (D function), fire rated, left hand</td>
</tr>
<tr>
<td>9967308202</td>
<td>anti-panic lock, backset 35 mm, two piece 9 mm follower (D function), fire rated, right hand</td>
</tr>
<tr>
<td>9967408001</td>
<td>anti-panic lock, backset 30 mm, one piece 9 mm follower (E function), fire rated</td>
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<tr>
<td>9967408201</td>
<td>anti-panic lock, backset 40 mm, two piece 9 mm follower (D function), fire rated, left hand</td>
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<tr>
<td>9967408202</td>
<td>anti-panic lock, backset 40 mm, two piece 9 mm follower (D function), fire rated, right hand</td>
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<tr>
<td>9967508001</td>
<td>anti-panic lock, backset 45 mm, one piece 9 mm follower (E function), fire rated</td>
</tr>
<tr>
<td>9967508201</td>
<td>anti-panic lock, backset 45 mm, two piece 9 mm follower (D function), fire rated, left hand</td>
</tr>
<tr>
<td>9967508202</td>
<td>anti-panic lock, backset 45 mm, two piece 9 mm follower (D function), fire rated, right hand</td>
</tr>
</tbody>
</table>
Locks for Narrow Profile Doors with Panic Functions

N45005

Fire rated

Specification
- Lock for active anti-panic leaf door
- Handed
- Panic function “B”
- Latch and dead bolt
- Backset 35, 40, 45 mm
- 9 mm two pieces follower
- Zinc plated steel case
- S/steel front plate 25 mm

Standards
- EN 12209:2003
- EN179: 2008
- EN1125: 2008

Accessories
- Horizontal anti-panic bar (see panic bar section)
- Handles
- Split spindle
- DIN cylinder

Ordering numbers

<table>
<thead>
<tr>
<th>Ordering number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>N4500535190</td>
<td>double door anti-panic lock; backset 35 mm; 9 mm two pieces follower; right hand</td>
</tr>
<tr>
<td>N4500535290</td>
<td>double door anti-panic lock; backset 35 mm; 9 mm two pieces follower; left hand</td>
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<tr>
<td>N4500540190</td>
<td>double door anti-panic lock; backset 40 mm; 9 mm two pieces follower; right hand</td>
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<tr>
<td>N4500540290</td>
<td>double door anti-panic lock; backset 40 mm; 9 mm two pieces follower; left hand</td>
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<tr>
<td>N4500545190</td>
<td>double door anti-panic lock; backset 45 mm; 9 mm two pieces follower; right hand</td>
</tr>
<tr>
<td>N4500545290</td>
<td>double door anti-panic lock; backset 45 mm; 9 mm two pieces follower; left hand</td>
</tr>
</tbody>
</table>
Fire rated Specifications

- Counter lock for inactive leaf anti-panic door
- Built-in rod relatching device
- No handed
- Backset 35, 40, 45 mm
- 9 mm one piece follower
- Zinc plated steel case
- S/steel front plate 25 mm
- To combine with lock 45005 series

Standards

EN 12209:2003
EN 179: 2008
EN 1125: 2008

Accessories

- Pair of vertical rods ø 10 mm steel, 1195 mm length: N0445713000
- PED series (see panic bar section)
- Handles
- Split spindle

Ordering numbers

N4500835090  anti-panic counter lock with built-in rod relatching device; backset 35mm; s/steel front plate 25mm; without rods
N4500840090  anti-panic counter lock with built-in rod relatching device; backset 40mm; s/steel front plate 25mm; without rods
N4500845090  anti-panic counter lock with built-in rod relatching device; backset 45mm; s/steel front plate 25mm; without rods
N45008

Top set

Bottom set

N0445713000 Pair of vertical rods
Locks for Solid Doors with Panic Functions
1739 Series

Specifications
- Backset 65 mm
- Distance 72 mm
- Profile cylinder
- 9 mm follower
- Steel, zinc-plated front plate 24 x 235 mm rounded
- Stainless steel front plate 24 x 235 mm rounded
- Steel, zinc-plated front plate 20 x 235 mm rounded on request
- Stainless steel front plate 20 x 235 mm rounded on request
- Key action on latch bolt
- Anti panic one-piece follower (E)
- Anti panic two piece follower (D)

Standards
- EN 12209: 2003
- EN 179: 2008
- EN 1125: 2008

Accessories
- Handles series
- DIN cylinder
- Strike plate P1739/17 (stainless steel)
- Split spindle 9 mm
- Horizontal anti-panic bar (see panic bar section)

Ordering numbers
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>9173936000</td>
<td>anti-panic one piece follower; latch and dead bolt lock; steel, zinc-plated front plate 24x235mm rounded</td>
</tr>
<tr>
<td>9173938000</td>
<td>anti-panic one piece follower; latch and dead bolt lock; stainless steel front plate 24x235mm rounded</td>
</tr>
<tr>
<td>9173946000</td>
<td>anti-panic two piece follower; latch and dead bolt lock; steel, zinc-plated front plate 24x235mm rounded</td>
</tr>
<tr>
<td>9173948000</td>
<td>anti-panic two piece follower; latch and dead bolt lock; stainless steel front plate 24x235mm rounded</td>
</tr>
</tbody>
</table>
1769 Series

Specifications
- Backset 65 mm
- Distance 72 mm
- Profile cylinder
- 9 mm follower
- 8 mm follower (option)
- Steel, zinc-plated front plate 20 or 24 x 235 mm rounded
- Stainless steel front plate 20 or 24 x 235 mm rounded
- Double throw dead bolt
- Anti-panic one-piece follower (E)
- Anti-panic two piece follower (D)
- Panic function inwards (option)

Standards
- EN 12209: 2003
- EN 179: 2008
- EN 1125: 2008

Accessories
- Handles
- DIN cylinder
- Strike plate P1769/17 (stainless steel)
- Strike plate P1769/66 (zinc plated)
- Split spindle 9 mm
- Horizontal anti-panic bar (see panic bar section)

Fire rated

Ordering numbers

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>9176935651</td>
<td>anti-panic one piece follower; latch and dead bolt lock; stainless steel front plate 24x235mm rounded; right hand</td>
</tr>
<tr>
<td>9176935652</td>
<td>anti-panic one piece follower; latch and dead bolt lock; stainless steel front plate 24x235mm rounded; left hand</td>
</tr>
<tr>
<td>9176936651</td>
<td>anti-panic one piece follower; latch and dead bolt lock; steel, zinc-plated front plate 24x235mm rounded; right hand</td>
</tr>
<tr>
<td>9176936652</td>
<td>anti-panic one piece follower; latch and dead bolt lock; steel, zinc-plated front plate 24x235mm rounded; left hand</td>
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<tr>
<td>9176946651</td>
<td>anti-panic two piece follower; latch and dead bolt lock; steel, zinc-plated front plate 24x235mm rounded; right hand</td>
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<tr>
<td>9176946652</td>
<td>anti-panic two piece follower; latch and dead bolt lock; steel, zinc-plated front plate 24x235mm rounded; left hand</td>
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<tr>
<td>9176956651</td>
<td>anti-panic two piece follower; latch and dead bolt lock; stainless steel front plate 24x235mm rounded; right hand</td>
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<td>9176956652</td>
<td>anti-panic two piece follower; latch and dead bolt lock; stainless steel front plate 24x235mm rounded; left hand</td>
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<td>9176957651</td>
<td>anti-panic two piece follower; latch and dead bolt lock; steel, zinc-plated front plate 20x235mm rounded; right hand</td>
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<td>9176957652</td>
<td>anti-panic two piece follower; latch and dead bolt lock; steel, zinc-plated front plate 20x235mm rounded; left hand</td>
</tr>
<tr>
<td>9176988651</td>
<td>anti-panic two piece follower; latch and dead bolt self locking lock; steel, zinc-plated front plate 20x235mm rounded; right hand</td>
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<tr>
<td>9176988652</td>
<td>anti-panic two piece follower; latch and dead bolt self locking lock; steel, zinc-plated front plate 20x235mm rounded; left hand</td>
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<tr>
<td>9176988653</td>
<td>anti-panic two piece follower; latch and dead bolt self locking lock; steel, zinc-plated front plate 24x235mm rounded; right hand</td>
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<tr>
<td>9176988654</td>
<td>anti-panic two piece follower; latch and dead bolt self locking lock; steel, zinc-plated front plate 24x235mm rounded; left hand</td>
</tr>
</tbody>
</table>
1901 Series

Specifications
- Anti-panic lock for active leaf
- Reversible
- Backset 65 mm
- Distance 72 mm
- 9 mm follower
- Steel, zinc-plated front plate 24 x 235 mm rounded
- Stainless steel front plate 24 x 235 mm rounded
- Key-action on latch bolt
- Two pieces follower (D)

Standards
- EN 12209: 2003
- EN 1125: 2008

Accessories
- Handles series
- DIN cylinder
- Split spindle 9 mm
- Horizontal anti-panic bar (see panic bar section)

Ordering numbers

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>9190117655</td>
<td>Anti-panic two piece follower, latch dead bolt lock for active leaf, stainless steel front plate 24x235mm rounded</td>
</tr>
<tr>
<td>9190121655</td>
<td>Anti-panic two piece follower, latch dead bolt lock for active leaf, steel zinc-plated front plate 24x235mm rounded</td>
</tr>
</tbody>
</table>
**1921 Series**

**Specification**
- Anti-panic counter lock for passive leaf
- Reversible
- Backset 65 mm
- 9 mm follower
- Seel, lacquered front plate 24 x 235 mm, rounded
- Stainless steel front plate 24 x 235 mm, rounded

**Standards**
EN 1125: 2008

In the unlocked position the rods are held in the unlocked position by the automatic relatching device. When closing the passive door, the rods are brought back into the locked position automatically.

**Accessories**
- Rods 1932
- Automatic relatching device 1935
- Rod hasp bottom 1936
- Rod hasp top 1937
- Floor strike cup 1939
- Split spindle 9 mm
- Horizontal anti-panic bar (see panic bar section)

**Ordering numbers**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>9190117655</td>
<td>Anti-panic two piece follower; latch dead bolt lock for active leaf; stainless steel front plate 24x235mm rounded</td>
</tr>
<tr>
<td>9190121655</td>
<td>Anti-panic two piece follower; latch dead bolt lock for active leaf; zinc-plated front plate front plate 24x235mm rounded</td>
</tr>
</tbody>
</table>
1921 Series

1935
Automatic relatching device

1936
Rod hasp bottom

1937
Rod hasp top

1939
Floor strike cup

1932
Rods 120 mm
Strike plates
Accessories for locks

04450 15 090  Steel core lever handle
For locks with panic function 450 series
Fire retardant black nylon coated steel handgrip,
black resin roses, 9 mm double function spindle

04450 18 090  Pair of lever handles with steel core
For fire resistant 450 series lock
Fire retardant black nylon coated steel handgrip,
black resin roses, 9 mm single function spindle

04450 17 000  Rose with cylinder hole
Under rose with black resin cylinder hole, black painted steel rose with
cylinder hole for 450 series lock

04426 97 090  9 mm spindle
Zinc plated steel | 39 mm length | For doors 40 – 60 mm thickness
For panic exit devices

04426 98 090  9 mm spindle
Zinc plated steel | 58 mm length | For doors 60 – 90 mm thickness
For panic exit devices

04426 97 000  9 mm double function spindle
Zinc plated steel | 40+61 mm length
For doors 40 - 60 mm thickness
For 450 series lock

04426 98 000  9 mm double function spindle
Zinc plated steel | 61+55 mm length
For doors 40 - 60 mm thickness
For 450 series lock
Access Control Solution
Panic exit devices with Smartair access control system

Smartair solution
- Solution for ASSA ABLOY panic exit devices - RIM type
- Possibility to install L1S and L2V (external half cylinder) with Smartair models with special reference (clutch outside)
- Can be used with ASSA ABLOY PED 200, PED 300 versions
- The battery module inside the door
- Different references for each door solution
- Special Smartair electronic escutcheon
- Panic bar
- Emergency mechanical cylinder

Benefits
- Adds security to the safety of the doors; card user’s movement can be restricted to time and date periods flexibly
- Access with contactless access control card, pendant or bracelet.
- Battery powered, no cables.
- Can be used on emergency exits or on fire resistant doors.
- Office complexes, hospitals, large- as well as small-capacity accommodation facilities, fitness centers, swimming pools (e.g. lockers), petrol stations, etc.
During normal operation the doors equipped with ASSA ABLOY panic exit device can be used either freely both directions or freely towards exits but only authorized personnel can pass the door on the other direction preventing unwanted access.

Smartair access control system adds security and convenience to emergency exit and escape route doors simply with cost effective way. The combination of ASSA ABLOY panic exit devices PED 200, PED 300 and Smartair electronic access control increases the level of security in any type of building while the door keeps its very important function.

Smartair does not need wiring directly to the door and depending on its variants can be used as a one door solution but also can be expanded to large number of doors including panic exit and emergency escape route doors. The compatibility already ensured between ASSA ABLOY panic exit devices and Smartair so the design and installation process is hassle free and the end result is a more safe and secure building operation.

**Smartair access control system**

**Dimensions (h x w x d):**
- Off-line, Stand Alone: 280 x 40 x 25 mm
- Wireless: 280 x 40 x 25 mm outer side
  370 x 55 x 38 mm inner side
- HUB: 190 x 120 x 60 mm

**Status information:**
- red /green LED lamps

**Battery:**
- 3x AAA 1.5 V alkaline (version SMARTAIR Stand Alone and Off-line)
- 3x AA 1.5 V alkaline (version SMARTAIR Wireless)

**Battery life expectancy:**
- min. 30,000 cycles or 2 years

**Connection**
- HUB with PC over TCP/IP

**RFID technology:**
- 13.56 MHz, ISO 14443A, reading of the serial number/sector

**Surface finish:**
- standard INOX (stainless steel)

**The handle shape:**
- standard U-shaped handles according to EN 179 for emergency exits

**Span:**
- DIN – span 72 to 92 mm, when ordered 70 -105 mm is possible (must be specified)

**Spindle:**
- 8 mm

---

**Smartair system variants and features**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Stand Alone Smartair</th>
<th>OFF-Line Smartair</th>
<th>Update on Card</th>
<th>Wireless</th>
</tr>
</thead>
<tbody>
<tr>
<td>System programming and administration without PC</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>System programming and administration with PC</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>User access 24/7</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Time windows for access management</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>Access memory - audit trail</td>
<td>✓</td>
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<td>✓</td>
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<tr>
<td>Battery operated = doors without cables</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>Portable programmer for system administration</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>Wireless system updating (update, remote reading of access memory, user authorization/cancellation, etc.)</td>
<td>✓</td>
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<td>✓</td>
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<tr>
<td>Remote access into SW</td>
<td>✓</td>
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<td>✓</td>
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<tr>
<td>Remote opening from PC</td>
<td>✓</td>
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