Industrial Applications

TESA catalogue

ASSA ABLOY
The monitoring of the opening and locking of doors does not only apply to the access to buildings – quite often, the user must lock other types of elements such as cupboards, mailboxes, lockers or even machines. All these locking solutions are called Industrial Applications.
Security

Depending on the security needs of each user, we can choose between low security for a mailbox, medium security for a locker or high security for a lock with a patented key (in the case of a vending machine containing money).

Therefore, each application requires its own security level.

Replacement

Based on a wide range of solutions, a wide range of possibilities is available for replacing, changing or merely increasing the security of existing locks, which makes it very easy to replace them.

Width of range

Each application requires its own locking solution. It may be a cupboard that must be locked with a cam lock, or a machine that needs to be started by an authorized person – each application requires its own locking solution.

These solutions are based on Cam Locks, Electric Contact Locks, Left-Luggage Office Locks, Padlocks or Normalized Locks.

Guaranteed by TESA

To buy TESA is a guarantee of quality. All our locks have been certified by the highest standards: the ISO 9001 Quality Certificate, the ISO 14001 (respect for the environment) and that of Labour Security and Occupational Hazard Prevention.

Therefore, each time you purchase a product from TESA, you are sure to own a product of the highest quality.
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Wafer-tumbler System Locks

Basic Range 610

<table>
<thead>
<tr>
<th>Finish</th>
<th>Turn</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chrome</td>
<td>180°</td>
<td>8020180CR</td>
</tr>
<tr>
<td>Golden</td>
<td>180°</td>
<td>8020180AU</td>
</tr>
</tbody>
</table>

» Applications: Lockers, mailboxes, cupboards and medium-thickness metalwork in general.
» Screw fastening.
» Supplied with 5 locking plates.
» Single-unit packaging in a plastic bag with accessories and EAN code.

<table>
<thead>
<tr>
<th>Finish</th>
<th>Turn</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chrome</td>
<td>180°</td>
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» Screw fastening.
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<table>
<thead>
<tr>
<th>Finish</th>
<th>Turn</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chrome</td>
<td>180°</td>
<td>8027ARCR</td>
</tr>
<tr>
<td>Golden</td>
<td>180°</td>
<td>8027ARAU</td>
</tr>
</tbody>
</table>

» Applications: Lockers and metal mailboxes, plus metalwork requiring an easy, fast mounting.
» Fast securing by ‘Clip’.
» Supplied with 5 locking plates.
» Single-unit packaging in a plastic bag with accessories and EAN code.
Pin System Locks

Medium Range 605

<table>
<thead>
<tr>
<th>Finish/Outputs</th>
<th>Turn</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nickel / 2 key exits</td>
<td>-45º+45º</td>
<td>8605019CR</td>
</tr>
</tbody>
</table>

- Applications: Widely used for kiosks, gaming machines and metal furniture in general.
- Single-unit packaging in a plastic bag with accessories and EAN code.
# Pin System Locks

## Security Range Mini

<table>
<thead>
<tr>
<th>623008</th>
<th>Finish</th>
<th>Turn</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Nickel</td>
<td>90º right</td>
<td>8MIN50890DCR</td>
</tr>
<tr>
<td></td>
<td>Nickel</td>
<td>90º left</td>
<td>8MIN50890ICR</td>
</tr>
<tr>
<td></td>
<td>Nickel</td>
<td>-90º+90º</td>
<td>8MIN50890UCR</td>
</tr>
</tbody>
</table>

- Applications: Wood or metal, payment stations, vending, gaming, etc.
- Single-unit packaging in a plastic bag with accessories and EAN code.

<table>
<thead>
<tr>
<th>623019</th>
<th>Finish / Outputs</th>
<th>Turn</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Nickel / 2 key exits</td>
<td>-45º+45º</td>
<td>8MIN5019CR</td>
</tr>
</tbody>
</table>

- Applications: Wood or metal, payment stations, vending, gaming, etc.
- Single-unit packaging in a plastic bag with accessories and EAN code.

<table>
<thead>
<tr>
<th>620</th>
<th>Finish</th>
<th>Turn</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Nickel</td>
<td>90º right</td>
<td>8MIN6C90DCR</td>
</tr>
</tbody>
</table>

- Applications: Wood or metal, payment stations, vending, gaming, etc.
- Single-unit packaging in a plastic bag with accessories and EAN code.

<table>
<thead>
<tr>
<th>605 / Mini</th>
<th>Concept</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Key alike</td>
<td>890000000000</td>
</tr>
<tr>
<td></td>
<td>Key number</td>
<td>890000000000</td>
</tr>
<tr>
<td></td>
<td>Masterkeying</td>
<td>8900000000150</td>
</tr>
<tr>
<td></td>
<td>One extra Key</td>
<td>890552ST5020</td>
</tr>
<tr>
<td></td>
<td>One extra Mini Key</td>
<td>892352ST5K20</td>
</tr>
</tbody>
</table>

- Key Duplication
  - Sawn Key 610
  - Sawn Key 605
  - Mini Dimple Key
  - Patented Key KID
# Normalized locks

<table>
<thead>
<tr>
<th>Normalized locks</th>
<th>Finish</th>
<th>Turn</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Chrome</td>
<td>90°</td>
<td>8CERRS554F</td>
</tr>
</tbody>
</table>

- Single-unit packaging in a plastic bag with accessories and EAN code.

<table>
<thead>
<tr>
<th>Normalized locks</th>
<th>Finish</th>
<th>Turn</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Chrome</td>
<td>90°</td>
<td>8CERRS556F</td>
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</table>

- Single-unit packaging in a plastic bag with accessories and EAN code.

<table>
<thead>
<tr>
<th>Normalized locks</th>
<th>Finish</th>
<th>Turn</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Chrome</td>
<td>90°</td>
<td>8CERRS559F</td>
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</tbody>
</table>

- Single-unit packaging in a plastic bag with accessories and EAN code.

<table>
<thead>
<tr>
<th>Normalized locks</th>
<th>Finish</th>
<th>Turn</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
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<td>Chrome</td>
<td>90°</td>
<td>8CERR686-16F</td>
</tr>
</tbody>
</table>

- Single-unit packaging in a plastic bag with accessories and EAN code.

<table>
<thead>
<tr>
<th>Normalized locks</th>
<th>Finish</th>
<th>Turn</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Chrome</td>
<td>90°</td>
<td>8CERR738F</td>
</tr>
</tbody>
</table>

- Single-unit packaging in a plastic bag with accessories and EAN code.
### Locks for Office Furniture

#### 613 Rim and Mortise

<table>
<thead>
<tr>
<th>Mounting</th>
<th>Finish</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Horizontal</td>
<td>CR RED.</td>
<td>8613HORCR</td>
</tr>
<tr>
<td>Vertical</td>
<td>CR RED.</td>
<td>8613VERCR</td>
</tr>
</tbody>
</table>

- Applications: Drawers, cupboards, doors, etc. requiring a locking point.
- Single-unit packaging with accessories.

#### Basic Range Push Locks

<table>
<thead>
<tr>
<th>Finish</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chrome</td>
<td>8619PRESCR</td>
</tr>
</tbody>
</table>

- Applications: Gaming, aluminium metalwork, wooden and metal furniture, sliding doors, office furniture, etc.
- Single-unit packaging with accessories.

#### 610 Wings

<table>
<thead>
<tr>
<th>Finish</th>
<th>Turn</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chrome</td>
<td>180°</td>
<td>8610ALETASCR</td>
</tr>
</tbody>
</table>

- Applications: Medium-thickness wooden doors or drawers.
- Single-unit packaging with accessories.
## Switch Locks

<table>
<thead>
<tr>
<th>Code</th>
<th>Finish</th>
<th>Turn</th>
<th>Contact</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>8606ELE1CR</td>
<td>Chrome</td>
<td>90º / 1 key exit</td>
<td>1C + R</td>
<td>8606ELE1CR</td>
</tr>
<tr>
<td>Applications: Lifts, automatic doors, access control, shutters, garage doors.</td>
<td>Single-unit packaging with accessories.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Finish</th>
<th>Turn</th>
<th>Contact</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>8606ELE0191C</td>
<td>Chrome</td>
<td>90º / 2 key exits</td>
<td>1C</td>
<td>8606ELE0191C</td>
</tr>
<tr>
<td>Applications: Lifts, automatic doors, access control, shutters, garage doors.</td>
<td>Single-unit packaging with accessories.</td>
<td>Key exit in ON and OFF positions.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Finish</th>
<th>Turn</th>
<th>Contact</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>8MINELEC1CR</td>
<td>Chrome</td>
<td>90º / 1 key exit</td>
<td>1C + R</td>
<td>8MINELEC1CR</td>
</tr>
<tr>
<td>Applications: Lifts, automatic doors, access control, shutters, garage doors and automations in general.</td>
<td>Single-unit packaging with accessories.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Finish</th>
<th>Turn</th>
<th>Contact</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>8MINELE0191C</td>
<td>Chrome</td>
<td>90º / 2 key exits</td>
<td>1C</td>
<td>8MINELE0191C</td>
</tr>
<tr>
<td>Applications: Lifts, automatic doors, access control, shutters, garage doors and automations in general.</td>
<td>Single-unit packaging with accessories.</td>
<td>Key exit in ON and OFF positions.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Micro Spare Parts

<table>
<thead>
<tr>
<th>Model</th>
<th>Code</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>F4T6</td>
<td>8MICROF4T6F</td>
<td>10</td>
</tr>
</tbody>
</table>
Locks for Left-Luggage Offices

Minimum Shipment 10 Unit Box.

<table>
<thead>
<tr>
<th>Elite Range</th>
<th>Turn</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Left</td>
<td>8MONASELIZQ1E0C</td>
</tr>
<tr>
<td></td>
<td>Right</td>
<td>8MONASELDCH1E0C</td>
</tr>
</tbody>
</table>

- Model in ABS material, ideal for damp environments such as swimming-pools, gyms, etc.
- Masterkeyed Model (6,000 Units per Master Key).
## Padlocks

<table>
<thead>
<tr>
<th>Model</th>
<th>Size</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>605 Sawn Key Model 605</td>
<td>CL40</td>
<td>8CL40605CRF</td>
</tr>
<tr>
<td>Mini5 Security Key</td>
<td>CL40</td>
<td>8CL40MIN5CRF</td>
</tr>
</tbody>
</table>

» Compatible for masterkeying between series CS Titanium CL55 and CL40.
## Surcharges Industrial Cylinders

### Surcharges Industry

<table>
<thead>
<tr>
<th>SURCHARGES Basic range (inserts)</th>
<th>Concept</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Key alike</td>
<td>8900000000000</td>
<td></td>
</tr>
<tr>
<td>Key number</td>
<td>8900000000000</td>
<td></td>
</tr>
<tr>
<td>Masterkeyings</td>
<td>89000000000150</td>
<td></td>
</tr>
<tr>
<td>Extra Key</td>
<td>891052ST5020</td>
<td></td>
</tr>
</tbody>
</table>

### Surcharges Standard Range 605 or MINI

<table>
<thead>
<tr>
<th>SURCHARGES Standard Range 605 or MINI</th>
<th>Concept</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Key alike</td>
<td>8900000000000</td>
<td></td>
</tr>
<tr>
<td>Key number</td>
<td>8900000000000</td>
<td></td>
</tr>
<tr>
<td>Masterkeyings</td>
<td>89000000000150</td>
<td></td>
</tr>
<tr>
<td>Sawn Key</td>
<td>890552ST5020</td>
<td></td>
</tr>
<tr>
<td>Dimple Mini Key</td>
<td>892352ST5K20</td>
<td></td>
</tr>
</tbody>
</table>

### Key Duplication

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Sawn Key 610</td>
<td></td>
</tr>
<tr>
<td>Sawn Key 605</td>
<td></td>
</tr>
<tr>
<td>Mini Dimple Key</td>
<td></td>
</tr>
<tr>
<td>Patented Key KID</td>
<td></td>
</tr>
</tbody>
</table>
Locks with PIN code

Code 1000

This lock is a standalone battery operated locking system working with a four-digit pin code.

To be fitted to cabinets, lockers, in use in leisure facilities, schools, hospitals, offices, ... The lock is intended for dry indoor spaces, but can be supplemented with a sealing gasket for use in damp indoor environments.

Features

» 2 functions: Private or Public (multi occupancy).
» Up to 15,000 openings.
» Valid for doors thicknesses up to 25 mm.
» Supplied as standard with 2 cams and 3 shafts of different lengths (22 mm, 25 mm and 28 mm).
» IP55 rated when used with the rubber door gasket.
» Grey color as standard, black finish as an option.
» External dimensions: 136 x 32 x 30 mm
» 2 Alkaline AAA cells (supplied).
» Vertical model: Suitable for right and left hand.
» Horizontal model: Not suitable for right and left hand.

<table>
<thead>
<tr>
<th>Description</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lock</td>
<td>8CODE1000</td>
</tr>
<tr>
<td>Gasket</td>
<td>8CODE1000JUN</td>
</tr>
</tbody>
</table>

External battery adaptor

Features

» In case the cells have run out, an emergency opening can be done using a 9 V (PP3) battery inserted in this adaptor.
» Suitable for CODE 1000, CODE 1500 and CODE NANO locks.

<table>
<thead>
<tr>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>8CARCODE1000</td>
</tr>
</tbody>
</table>
Locks with PIN code

Code NANO

This lock is a standalone battery operated locking system working with a four-digit pin code.

To be fitted to cabinets, lockers, in use in leisure facilities, schools, hospitals, offices, ...
The lock can be set to open automatically and can be flush mounted.

Features

» 2 functions: Private or Public (multi occupancy).
» Up to 100,000 openings.
» Door thickness:
  Surface mounted: up to 25 mm.
  Flush mounted: up to 40 mm.
» Grey color as standard, black and white finish as an option.
» Non-volatile memory.
» External dimensions: 93 x 33 x 18 mm
» 1 x coin cell battery (supplied).
» Vertical model: Suitable for right and left hand.
» Horizontal model: Not suitable for right and left hand.

<table>
<thead>
<tr>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>8CODENANO</td>
</tr>
</tbody>
</table>

Standard box items

1. NANO lock
2. Surface trim plate
3. Flux fit fixing plate
4. Coin cell battery

For flush mounted on the door, remove items 2 and 3.
Locks managed with Mifare® cards

MF15

Standalone battery operated lock without cables. Self programming system with configuration cards. Works with RFID Mifare® Classic 1K/4K cards. Easy installation on existing lockers with metallic phenolic or wood doors. Suitable for right or left hand doors. Valid for door thicknesses till 30 mm.

Features

» RFID frequency: 13.56 MHz
» Battery: CR123A, 3V
» Lifespan: 20,000 cycles, 2 years approx.
» Low battery warning.
» Reading distance: 3 cm
» Dimensions: 62 x 62 x 34 mm
» Working temperature: -10 °C +60 °C

Kit of cards (program + cancel)

<table>
<thead>
<tr>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>8CABMF15T</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>8CABMF15T</td>
</tr>
</tbody>
</table>
Locks managed with Mifare® cards

MF25
Contactless electronic lock: locking and unlocking of the locker by bringing the carrier near to the proximity reader. Stand alone battery operated lock without cables. Card encoding through the SW.

Features
- 2 functions: Private or public (multi occupancy).
- Battery: 4 AA alkaline cells.
- Lifespan: 80,000 cycles, 4 years approx.
- RFID frequency: 13.56 MHz
- Reading distance: from 10 to 20 mm
- Working temperature: -20 ºC +70 ºC
- Dimensions: 116 x 116 x 35 mm

<table>
<thead>
<tr>
<th>Turn</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>?</td>
<td>8CABMFMOTIZ</td>
</tr>
<tr>
<td>?</td>
<td>8CABMFMOTDE</td>
</tr>
</tbody>
</table>

Infoterminal
Features
- Gives the locker Nr. in use.

<table>
<thead>
<tr>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>STHTAQINFT</td>
</tr>
</tbody>
</table>

Encoder
Features
- Encodes all the cards of the installation (user, master, lockers programming cards).

<table>
<thead>
<tr>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>STHTAQGRAB</td>
</tr>
</tbody>
</table>
EL180 – EL180RR

Locking system for locker, drawers, racks, self-service parcels terminals,… Good solution when needed to be integrated to a control access system.

RR version has a magnetic switch that indicates the closing position (closed/open).

Features

» Works with DC or AC operating voltage according to the model.
» Operating Voltage: Standard 12 V.
  Option 24 V.
» Intensity: Current 0.34 A (12 V).
  Option 0.18 A (24 V).
» Operating temperature: -20 ºC +60 ºC
» Protection: IP42.
» Dimensions: 55 x 55 x 25 mm
» Locking pin: Diameter 7 mm
  Length 18 mm
  Footprint 20 x 42 mm
» Resistance: 180 kg for breakage.
» Operates in both vertical and horizontal positions.
» Installation without preload.

<table>
<thead>
<tr>
<th>Description</th>
<th>Operating mode</th>
<th>Closing position indicator</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>EL180 NC 12 AC/DC</td>
<td>NC</td>
<td>No</td>
<td>8CERMNC12ACDC</td>
</tr>
<tr>
<td>EL180 NC 12 AC/DC RR</td>
<td>NC</td>
<td>Yes</td>
<td>8CERMNC12ACDCRR</td>
</tr>
<tr>
<td>EL180 NO 12 DC</td>
<td>NO</td>
<td>No</td>
<td>8CERMNA12DC</td>
</tr>
<tr>
<td>EL180 NO 12 DC RR</td>
<td>NO</td>
<td>Yes</td>
<td>8CERMNA12DCRR</td>
</tr>
<tr>
<td>EL180 NC 12 AC SPRING</td>
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<td>No</td>
<td>8CERMNC12AC</td>
</tr>
<tr>
<td>EL180 NC 12 AC SPRING RR</td>
<td>NC</td>
<td>Yes</td>
<td>8CERMNC12ACRR</td>
</tr>
<tr>
<td>EL180 NC 24 AC/DC</td>
<td>NC</td>
<td>No</td>
<td>8CERMNC24ACDC</td>
</tr>
<tr>
<td>EL180 NC 24 AC/DC RR</td>
<td>NC</td>
<td>Yes</td>
<td>8CERMNC24ACDCRR</td>
</tr>
<tr>
<td>EL180 NO 24 DC</td>
<td>NO</td>
<td>No</td>
<td>8CERMNA24DC</td>
</tr>
<tr>
<td>EL180 NO 24 DC RR</td>
<td>NO</td>
<td>Yes</td>
<td>8CERMNA24DCRR</td>
</tr>
<tr>
<td>EL180 NC 24 AC SPRING</td>
<td>NC</td>
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<td>8CERMNC24AC</td>
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<tr>
<td>EL180 NC 24 AC SPRING RR</td>
<td>NC</td>
<td>Yes</td>
<td>8CERMNC24ACRR</td>
</tr>
</tbody>
</table>

NC: Normally Closed.
NO: Normally Open.
EL1049 – EL1049RR

Locking system for locker, drawers, racks, self-service parcels terminals, … Good solution when needed to be integrated to a control access system.

RR version has a magnetic switch that indicates the closing position (closed/open). Same model for 12/24V AC/DC, NO/NC.

Features

» Works with DC or AC operating voltage.
» NO and NC turning the closing bolt.
  Suitable for 12 or 24 V.
» Intensity: 0.26 A (12 V)
  0.13 A (24 V).
» Operating temperature: -10 ºC +40 ºC
» Protection: IP20.
» Dimensions: 48 x 42 x 20 mm
» Locking pin: Diameter 7mm
  Length 18 mm
  Footprint 20 x 42 mm
» Resistance: 100 kg for breakage.
» Operates in both lateral and frontal positions.
» Installation without preload.

<table>
<thead>
<tr>
<th>Description</th>
<th>Operating mode</th>
<th>Closing position indicator</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>EL 1049</td>
<td>NO/NC</td>
<td>No</td>
<td>SEREF063</td>
</tr>
<tr>
<td>EL 1049 RR</td>
<td>NO/NC</td>
<td>Yes</td>
<td>SEREF064</td>
</tr>
</tbody>
</table>

NC: Normally Closed.
NO: Normally Open.
ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience.