ABLOY® EL580, EL582 AND PE580
SCANDINAVIAN RANGE SOLENOID LOCKS WITH HANDLE CONTROL
TECHNICAL DETAILS
Operating voltage 12 - 24 V DC (-10%/+15%, stab.)
Current
- max. 0.55A (12V DC)
- idle 0.3A (12V DC)
- max. 0.27A (24V DC)
- idle 0.13A (24V DC)
Temperature range -25 - +70°C
Bolt throw 14 or 20 mm (EL580, EL582)
14 mm (PE580)
Backset
- 50, 70 mm (EL580, EL582)
- 50 mm (PE580)
Forend 22 mm
Spindle 8 mm
FINISH
Satin chrome plated forend
PACKAGE
Lock case, connection plugs, fixing screws, split spindle (EL580, PE580), lock case manual
CYLINDERS
- Scandinavian oval and round cylinders: ABLOY NOVEL, ABLOY PROTEC¹
  ASSA, RUKO, TrioVing or other
- Finnish type cylinders: ABLOY PROTEC¹
STANDARDS
- EN 1634-1 Fire resistance
- EN 61000-6-1 EMC
- EN 61000-6-3 EMC
- EN 179 Emergency exit (EL580)
- EN1125 Panic exit (PE580)
- EN14846 Electromechanically operated locks and striking plates
Abloy electromechanical lock cases are always tested according to the latest versions of the standards
DIMENSIONS
ABLOY® EL580, EL582 AND PE580 WITH HANDLE CONTROL
APPLICATIONS
ABLOY EL580, EL582 and PE580 are recommended to be used in the interior doors of business premises, public buildings, hospitals, educational premises etc.
Typical applications are the doors of
- offices
- consulting rooms
- storage rooms
- fire doors (medium traffic)
- technical maintenance rooms
The locks are suitable to be used also in the exterior doors of residential buildings. They are best suited in medium traffic doors and can also be used in fire rated doors (EN).
The locks are not suitable to be used with door automatics.
EL580 and PE580 can be used in EXIT doors. Exit by inside handle / panic bar is always possible.
The locks are always automatically deadlocked when the door is closed.
The locks can be controlled by a variety of remote control systems, i.e. card reader, keypad and timer.
FEATURES
ABLOY EL580, EL582 and PE580 have various settable functions in one lock case
- change of handing
- selecting the side of handle control
- settable fail locked / fail unlocked function
- deadlocked only when the door is closed
- deadbolt either 14 or 20mm throw (EL580, EL582)
FUNCTION
Handle controlled locks can be set to function as fail locked or as fail unlocked. In the fail locked setting, the lock can be opened by handle when power is on and cannot be opened by handle when power is off. In the fail unlocked setting, the electrical function is reversed.
The locks are automatically deadlocked when the door is closed. False triggering is not possible (20 mm bolt throw in EL580 / EL582).
In ABLOY EL580 and PE580 the outside handle is electrically controlled. The lock can always be opened from the inside by handle (EL580 / EN 179) or by panic bar (PE580 / EN 1125). In order to function correctly, the handle requires a split spindle.
Mechanical opening by cylinder is always possible.
In ABLOY EL580 both inside and outside handles are electrically controlled. Mechanical opening by cylinder or thumbturn is always possible.
ELECTROMECHANICAL LOCK CASES
ABLOY®
EL580, EL582 AND PE580
WITH HANDLE CONTROL

MONITORING

The locks are equipped with the following monitoring outputs:

- bolt dead locked
- handle down
- request to exit, RQE (EL580, PE580)

COMPATIBILITY CHART FOR CYLINDERS AND ACCESSORIES (please order separately)

<table>
<thead>
<tr>
<th>CYLINDERS AND FITTINGS</th>
<th>ACCESSORIES</th>
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<tbody>
<tr>
<td></td>
<td>HANDLE / PANIC BAR</td>
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<tr>
<td><strong>ABLOY® PROTEC2 (T)</strong></td>
<td>CY001U, T (F)</td>
</tr>
<tr>
<td>EL580, PE580</td>
<td>CY029U, T (F)</td>
</tr>
<tr>
<td>Single w/ plate</td>
<td>CY037U, T (F)</td>
</tr>
<tr>
<td>Single w/ thumbturn</td>
<td>CY001U, T (F)</td>
</tr>
<tr>
<td>Double</td>
<td>CY029U, T (F)</td>
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</tbody>
</table>

*) compatible with emergency exit dome CH020
**) CY201 single cylinder only, without plate/ thumbturn
***) compatible with emergency exit dome CH020, CY001U, T (F)
****) CY001U, T (F) only, with plate/ thumbturn
SO = Scandinavian oval, F= Finnish, SR = Scandinavian round

WIRING PRINCIPLE

Unlocked/Locked
Monitoring:
- Bolt dead locked
- Handle down
- Request to exit, RQE (EL580, PE580)

12 VDC (-10%) – 24 VDC (+15%) stable

NO
NC
C

NO
NC
C

RQE (EL580, PE580)
ABLOY® El580, El582 and PE580

Abloy Oy develops continuously the products and solutions offered. Therefore, the information contained in the marketing materials is subject to change without notice.

04/2016
1000 kpl

PunaMusta Oy, Joensuu

ABLOY secures people, property, and business operations on land, at sea, and in the air – in all circumstances.

ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience.

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