TECHNICAL DETAILS

Operating voltage 12 - 24 V DC (-10 %/+15 %, stab)
Current max. 0.55 A (12V DC),
idle 0.24 A (12V DC),
max. 0.27 A (24V DC),
idle 0.11 A (24V DC)
Temperature range -25 - +70°C
Bolt throw 14 mm
Backset 29, 35 mm
Forend 25 mm
Spindle 8 mm

FINISH
Chrome plated foreend

PACKAGE
Lock case, connection plugs, fixing screws, striker plate EA307, split spindle (EL480), lock case manual

CYLINDERS
- Scandinavian oval and round cylinders: ABLOY PROTEC®, ABLOY NOVEL, ASSA, RUKO, TrioVing or other
- Finnish type cylinders: ABLOY PROTEC®, ABLOY NOVEL

STANDARDS
- EN 1634-1 Fire resistance
- EN 61000-6-1 EMC
- EN 61000-6-3 EMC
- EN14846 Electric locks
- EN 179 Emergency exit (EL480)
- EN 1125 Panic exit

Abloy lock cases are always tested according to the latest versions of the standards.

APPLICATIONS
ABLOY EL480 and EL482 are recommended to be used in interior doors of business premises, public buildings, hospitals, educational premises and the exterior doors of apartment buildings and detached houses.

Handle controlled locks are best suited in medium traffic doors. The locks can be used in both exit and fire rated doors (EN). They are not suitable for use with door automatics.

The locks can be electrically controlled by a variety of access control systems or remote control equipment such as push button, keypad or timer.

FEATURES
- Increased protection against manipulation (bolt is deadlocked only when door is closed)
- Minimal electricity consumption in standstill (due to low current feature during continuous control)
- Wide operating voltage range

OPERATION
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 always automatically deadlocked when the door is closed.

In ABLOY EL480 the outside handle is electrically controlled. The lock can always be opened by inside handle (EN 179) or by panic bar (EN 1125). In order to function correctly, the handle requires a split spindle. Mechanical opening by cylinder is always possible.

In ABLOY EL482 both inside and outside handles are electrically controlled. Mechanical opening by cylinder or thumbturn is always possible.
SETTABLE FUNCTIONS

Following functions can be set at the installation phase:
- Handing of bolt
- Side of exit handle (EL480) depending on escape direction
- Power failure status: fail locked / fail unlocked

MONITORING

The locks are equipped with the following monitoring outputs:
- Position of bolt
- Handle operation

WIRING PRINCIPLE

![Wiring Diagram]

COMPATIBILITY CHART FOR CYLINDERS AND ACCESSORIES (please order separately)

<table>
<thead>
<tr>
<th>CYLINDERS AND FITTINGS</th>
<th>CYLINDERS AND FITTINGS</th>
<th>CYLINDERS AND FITTINGS</th>
<th>CYLINDERS AND FITTINGS</th>
<th>CYLINDERS AND FITTINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABLOY NOVEL (U)</td>
<td>HANDLE / PANIC BAR</td>
<td>STRIKE</td>
<td>CABLE</td>
<td>LEAD COVER</td>
</tr>
<tr>
<td>ABLOY PROTEC² (T)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EL480</td>
<td>Single w/ plate</td>
<td>CY063T, U (F)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>CY061T, U (SO)**</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EL482</td>
<td>Single w/ thumbturn</td>
<td>CY066T, U (F)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>CY061T, U 6411/ (SO)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Double</td>
<td>CY067T, U (F)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>CY061T, U 6412/ (SO)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>See ABLOY Architectural Hardware brochures.</td>
<td>EA308 4613 4614</td>
<td>EA210 (6m) EA220 (10m) EA280 EA281</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Panic bar PBE001</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>It is recommended to use handles with return springs on both sides of the door.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*) compatible with emergency exit dome CH018
**) CY201 single cylinder only, without plate / thumbturn
SO = Scandinavian oval
F= Finnish
ABLOY® EL480, EL482

SCANDINAVIAN RANGE SOLENOID LOCKS
WITH HANDLE CONTROL