

ABLOY® EL480 AND EL482 NEW SCANDINAVIAN RANGE SOLENOID LOCKS WITH HANDLE CONTROL



ABLOY® EL480 and EL482 are recommended to be used in interior or exterior doors of business premises, public buildings, hospitals, educational premises etc., 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 to be used 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.

ABLOY® EL480 is especially suited for use in exit doors, as the inside handle is free for egress at all times.

TECHNICAL DETAILS

| | |
|-------------------|-------------------------|
| Operating voltage | 12 - 24VDC (-10%, +15%) |
| Current | |
| - max. | 0.40 A |
| - idle | 0.13 A |
| Temperature range | -20...+60°C |
| Bolt throw | 14 mm |
| Backset | 29, 35 mm |
| Forend | 25 mm |
| Spindle | 8 mm |

FINISH Chrome plated forend

PACKAGE

Lock case, connection plugs, fixing screws, striker plate 4613, split spindle (for EL480), drilling, fitting and wiring instructions

CYLINDERS

- Scandinavian oval cylinders; **ABLOY® PROTEC**, **ABLOY® DISKLOCK PRO**, ASSA, RUKO, TrioVing or other
- Finnish type cylinders **ABLOY® PROTEC**, **ABLOY® DISKLOCK PRO**, **ABLOY® CLASSIC**

MONITORING

The locks include the following monitoring outputs:

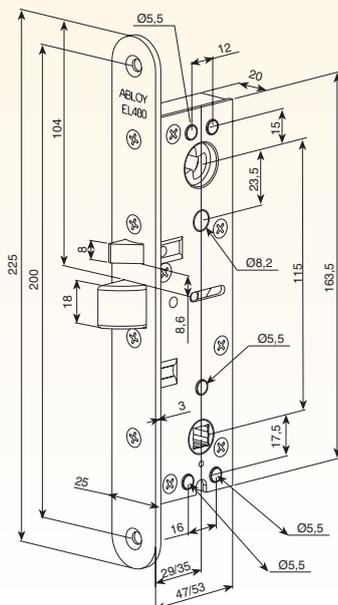
- position of bolt
- handle down
- request to exit, RQE (EL480)

STANDARDS

- | | |
|----------------------|-------------------------------|
| - EN 1634-1 | Fire resistance |
| - EN 61000-6-1: 2001 | EMC |
| - EN 61000-6-3: 2001 | EMC |
| - EN12209 | Mechanical resistance (EL480) |
| - EN179 | Emergency exit (EL480) |

DIMENSIONS

EL480 / EL482



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

SETTABLE FUNCTIONS

The following functions can be set at the installation phase:

- Handing of bolt and trigger bolt
- Side of exit handle (in EL480) depending on escape direction
- Power failure status: fail locked/ fail unlocked

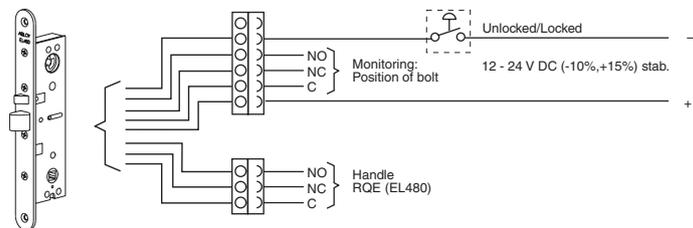
OPERATION

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. 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.

WIRING PRINCIPLE



CYLINDERS AND FITTINGS

C = **ABLOY® CLASSIC** D = **ABLOY® DISKLOCK PRO**, N = **ABLOY® PROTEC**

| | | |
|-------|-----------------------|--------------------------------------------------------------------|
| EL480 | Single with plate | CY047 C, D, N (Finnish) CY201 D, N /EA250 (Scandinavian oval) |
| EL482 | Single with thumbturn | CY066 C, D, N (Finnish) (* CY201 D, N /6411 (Scandinavian oval) |
| EL482 | Double | CY067 C, D, N (Finnish) CY202 D, N /6412 (Scandinavian oval) |

*) Compatible with emergency exit dome 6428

ACCESSORIES (Please order separately)

| | |
|--------------------|-----------------------------|
| Alternative strike | 4614 |
| Cable | EA210 (6 m) or EA220 (10 m) |
| Lead cover | EA280 or EA281 |

With EL480 lock case it is recommended to use handles with return springs on both sides of the door.

This document may not be used in the installation of a lock. Drilling and wiring diagrams and installation instructions are included in the installation manual, which is included in each lock case package.

We reserve the right to make alterations to the products described in this leaflet.



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