

# MOTOR LOCKS **ABLOY**<sup>®</sup> EL648, EL654 WITH HOOK BOLT

## SCANDINAVIAN RANGE



**ABLOY**<sup>®</sup> EL648 and EL654 are heavy duty motor locks with hook bolt for narrow stile doors. They provide superior mechanical strength against physical attack.

## TECHNICAL DETAILS

|                   |  |
|-------------------|--|
| Operating voltage | 12 - 24 V DC (+15%) stab.<br>12 V AC (-10%/+50%) RMS |
| Current           | Normal 150 mA<br>Idle 70 mA<br>Max. 750 mA           |
| Adjustable delay  | 2..15 sec  |
| Temperature range | -20°C...+60°C  |
| Hook bolt         | 22 mm  |
| Backset           | 25, 35 mm  |
| Forend            | 25 mm  |

## FINISH

Chrome plated forend

## CYLINDERS

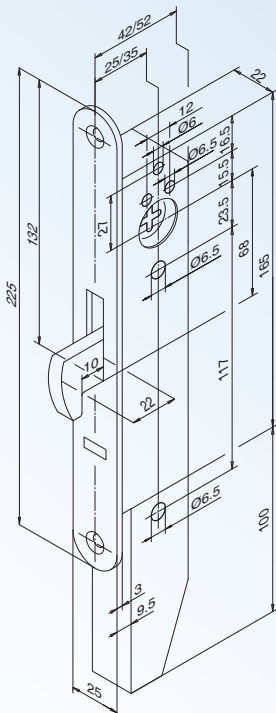
- Scandinavian oval type; **ABLOY® PROTEC**, ASSA, RUKO, TrioVing or other.

- Finnish type; **ABLOY® CLASSIC** or **ABLOY® PROTEC**

## PACKAGE

Lock case, control unit, striker plate EA300 with door contact, connection plugs, fixing screws and lock case manual.

## DIMENSIONS



This document may not be used in the installation of a lock. Drilling and wiring diagrams and installation instructions are included in the lock case manual, which is included in each lock case package. We reserve the right to make alterations to the products described in this leaflet.

## APPLICATION

**ABLOY® EL648** and **EL654** are used as high security auxiliary locks e.g. in gates and exterior doors of industrial premises, shopping centres and business premises etc. The locks are especially suited for use in sliding doors as they can be installed in door frame or door leaf.

**ABLOY® EL654** can be installed together with e.g. **EL402**, when both locks can be controlled individually. **EL402** has a double action bolt for quick and easy locking and is well suited for doors that are frequently used in daytime. **EL654** is ideal for night time locking that requires greater strength and security.

Both **ABLOY® EL648** and **EL654** can be controlled by a variety of electrical impulse generating equipment, e.g. card reader, keypad or timer. The locks are suitable for use with door automatics.

Available also: **EL655** compatible with Finnish type cylinder.

**ABLOY® EL654** and control unit **EA470** are ASSA ABLOY Hi-O Technology TM certified products.

## FUNCTION

Bolt is withdrawn and thrown by motor. Lock case is connected with a separate control unit included in the lock package. Striker plate **EA300** with integral door contact must be used with the lock. After an opening impulse hook bolt is withdrawn. After door use or delay, the hook bolt is released immediately.

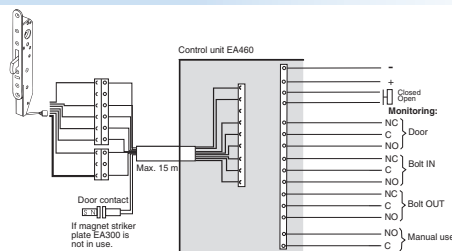
**ABLOY® EL648** can be configured to fail locked or fail unlocked mode in case of power failure (requires a backup card connected to the **EA460** control unit).

**ABLOY® EL654** enables data communication between lock case and control unit **EA470**. When installed together with **EL480 / EL482 / EL402 / EL490**, the lock offers the following options for operation:

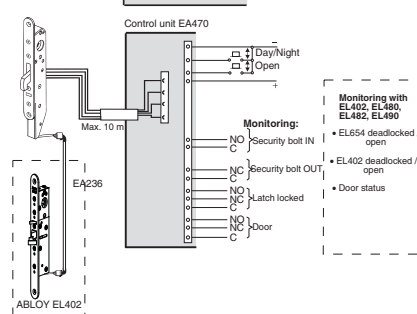
- both locks are deadlocked
- **EL480 / EL482 / EL402 / EL490** is deadlocked, **EL654** is open
- both locks are open

## WIRING PRINCIPLE

**EL648**



**EL654**



## CYLINDERS AND ACCESSORIES (Please order separately)

| CYLINDERS             |                                   | ACCESSORIES                                |  |                |                     |
|-----------------------|-----------------------------------|--|--|----------------|---------------------|
|                       | ABLOY® PROTEC                     | CABLES                                     | SHORT CONNECTION CABLE (EL654)               | LEAD COVERS    | BACKUP CARD (EL648) |
| Single with thumbturn | CY201N / 6415                     | <b>EL648:</b><br>EA214 (6m)<br>EA224 (10m) | EA235 (EL490)<br>EA236 (EL402, EL480, EL482) | EA280<br>EA281 | 952169              |
| Double                | CY202N / 6412<br>CY044N<br>CY065N | <b>EL654:</b><br>EA216 (6m)<br>EA226 (10m) |  |                |                     |



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