

Generic Model: ABLOY EL460 Series  
 Type: Electromechanical Lock Case –  
 Solenoid/Handle Control

## 1. Unique identification code of the product-type:

<b>Brand</b>	ABLOY
<b>Model(s)</b>	EL460 Series
<b>Part Number / identifier</b>	EL460_100110 EL460-100100 EL460-100130
<b>Bar code</b>	
<b>Description/Type</b>	Electromechanical Lock Case
<b>Production type</b>	Batch or mass-produced products
<b>NZ Building Product class</b>	Class 1

## 2. Product description and its intended use(s)

The ABLOY EL460 is a high-security electric lock for narrow profile doors that can be used in both exit and standard doors. It is a handle-controlled solenoid lock that can be switched between fail-locked and fail-unlocked states. The lock can be electrically controlled by an access control system or a remote-control system such as a timer, keypad or push button. The lock can always be opened by the inside handle or by a cylinder from the outside.

The ABLOY EL460 is suitable for interior doors of business premises, public buildings, hospitals, educational premises and more. It meets the European standard EN 179 for emergency exit devices.

The intended product use for the ABLOY EL460 is to provide a secure and convenient locking solution for narrow profile doors that require handle-controlled unlocking in case of an emergency. The ABLOY EL460 can be integrated with various access control systems to enable authorised entry and exit. The ABLOY EL460 can also be configured to operate in different modes depending on the needs of the user. For example, the lock can be set to fail-locked mode to prevent unauthorised access when the power is off, or to fail-unlocked mode to allow free passage when the power is off.

The ABLOY EL460 can also be used in combination with other ABLOY products, such as cylinders, handles, escutcheons, and accessories, to create a complete locking system.

Mortise standard: Europrofile  
 Installation type: Mortise  
 Locking Points: Single point

## 3. Place of Manufacture:

Place of Manufacture

Aotearoa New Zealand       Overseas, see manufacturer section for details

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#### 4. Legal and trading name of the manufacturer(s):

ABLOY Oy

##### Address for Service

Street name and number	Wahlforssinkatu 20
Suburb	
Region/state	80100 Joensuu
Country	Finland
Post code	
Website	<a href="http://www.abloy.com">www.abloy.com</a>
Email	core@abloy.com
Phone	+358 20 5992501
Business number	0774324-5

#### 5. Legal and trading name of the importer (if applicable):

ASSA ABLOY New Zealand Ltd

##### Address for Service

Street name and number	6 Armstrong Road
Suburb	Rosedale
Region/state	Auckland
Country	New Zealand
Post code	0632
Website	<a href="https://www.assaabloy.com/nz/en">https://www.assaabloy.com/nz/en</a>
Email	nzsales@assaabloy.com
Phone	+64 (9) 4157111
Business number	NZBN: 9429036762194

#### 6. Relevant Building Code clauses:

Standard	Clause(s)
Building Regulations 1992	Clause B2 – Durability. B2.3.1 Clause C4 – Movement to place of safety (C4.2) Clause D1 - Access routes

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## 7. Statement on how the building product is expected to contribute to compliance.

B2.3.1 (c) - EL402 Series Lock cases are tested to ensure they exceed the normal use over a 5 year period and any failure of the product would be easily detected and is easy to replace.

C4.2 - EL402 complies with this section by allowing the door to be always opened by the key, the interior thumb turn.

D1 - The ABLOY EL402 a suitable and reliable lock for access routes that enable people to move safely and independently around buildings.

EN1126:2006: 376B1321AB

Essential Characteristics	Grade	Performance	Harmonized technical specification
7.1 Category of use	3	High frequency of use where there is little intensive to exercise care	EN 1125:2008
7.2 Durability	7	200 000 test cycles	
7.3 Door mass	6	Up to 200 kg	
7.4 Suitability for use on fire/smoke doors	B	Suitable for use on fire door assemblies based on a test in accordance with EN 1634-1	
7.5 Safety	1	All panic exit devices have a critical safety function	
7.6 Corrosion resistance	3	96 h (high resistance)	
7.7 Security	2	1000 N	
7.8 Projection of horizontal bar	1	Projection up to 150 mm (large projection)	
7.9 Type of horizontal bar operation	A	Panic exit device with "push-bar" operation	
7.10 Field door application	B	Single door only	
<b>Dangerous substances</b>	The materials used in the product do not contain or release any dangerous substances in excess of the maximum levels specified in existing European material standards or any national regulations.		

EN179: 376B1342AB

Essential Characteristics	Grade	Performance	Harmonized technical specification
7.1 Category of use	3	High frequency of use where there is little intensive to exercise care	EN 179:2008
7.2 Durability	7	200 000 test cycles	
7.3 Door mass	6	Up to 200 kg	
7.4 Suitability for use on fire/smoke doors	0 / B *)	Not suitable for use on fire door assemblies / Suitable for use on fire door assemblies based on a test in accordance with EN 1634-1	
7.5 Safety	1	All emergency exit devices have a critical safety function	
7.6 Corrosion resistance	3	96 h (high resistance)	
7.7 Security	4	3 000 N	
7.8 Projection of operating element	2	Projection up to 100 mm (standard projection)	
7.9 Type of operation	A	Emergency exit device with "lever handle" operation	
7.10 Field of door application	B	Outwardly opening single exit door only	
<b>Dangerous substances</b>	The materials used in the product do not contain or release any dangerous substances in excess of the maximum levels specified in existing European material standards or any national regulations.		

## 8. Limitations on the use of the building product:

- Non-compliant for Fire Door use in New Zealand. Please check with the fire door manufactures to confirm their approved products list.
- Only accepts Euro profile DIN Style Cylinders

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## 9. Design requirements that would support the appropriate use of the building product.

The ABLOY EL460 is a handle-controlled solenoid lock that can be used in medium traffic doors, exit doors, and fire rated doors. According to the web search results, some of the design requirements for the ABLOY EL460 that support the appropriate use of the building product are:

- Non-handed: The lock can be installed on left or right-handed doors without changing the handing.
- Switchable: The lock can be switched between fail-locked and fail-unlocked states, depending on the desired mode of operation.
- Controllable: The lock can be electrically controlled by an access control system or a remote control system, such as a timer, keypad, or push button.
- Override: The lock can always be opened by the inside handle or by a mechanical cylinder, in case of emergency or power failure.

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## 10. Installation requirements

The installation requirements for the ABLOY EL460 lock case are as follows: -

- The lock case is compatible with Europrofile mortise standard.
- The lock case can be used for wooden or metal doors with a minimum thickness of 40 mm.
- The lock case can be switched between fail-locked and fail-unlocked states, depending on the wiring and polarity of the power supply.
- The lock case can be electrically controlled by an access control system or a remote-control system such as timer, keypad or push button.
- The lock case can be used both in exit doors and fire rated doors. - Lock must be installed with ABLOY EA218 Connections Cable

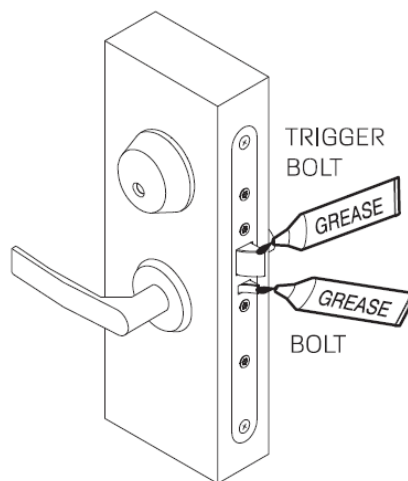
## 11. Maintenance requirements

- The lock case should be inspected and tested at least once a year by a qualified electrician or locksmith.
- The lock case should be cleaned and lubricated with a suitable grease or oil.
- The lock case should be checked for proper functioning and alignment of the latch, deadbolt, handles, and cylinders.
- The lock case should be checked for any signs of wear, corrosion, or damage.
- The lock case should be replaced if it is defective or does not meet the performance standards.

Electromechanical lock cases

Lubricate the lock case bolt and trigger bolt with vaseline type grease, e.g. ISOFLEX TOPAS NB52.

Do not put any lubrication inside the lock case.



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**12. Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004?**

Yes  No

If yes, description of the warning or ban under section 26

N/A

**13. Date**

Date of document completion (day/month/year)

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