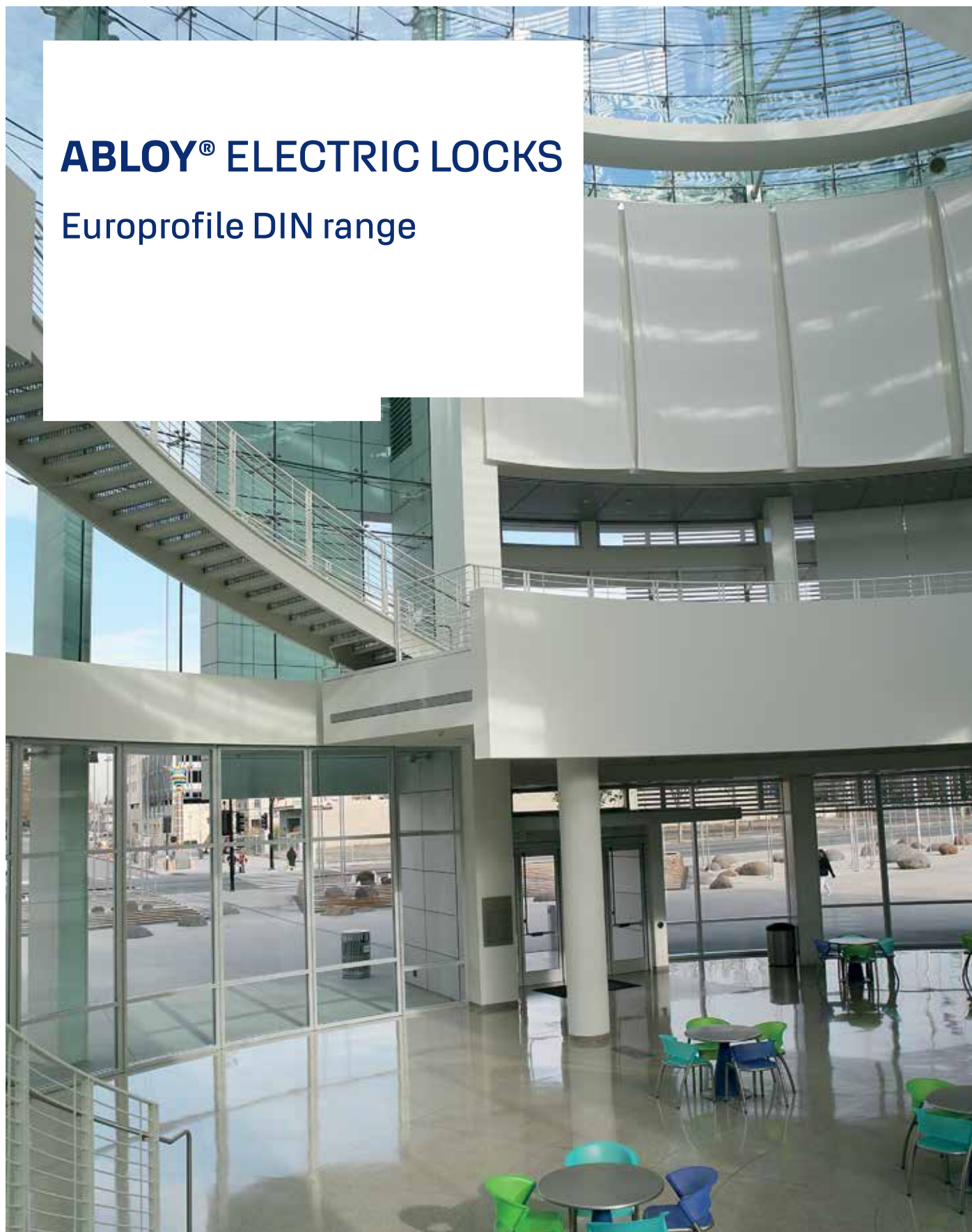


ABLOY® ELECTRIC LOCKS

Europrofile DIN range



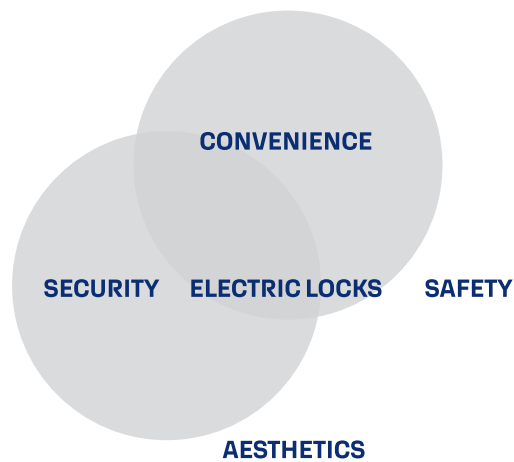
ABLOY

Why to choose ABLOY Electric locks?

Compared to other solutions like magnet locks or electric strikes, electric locks give long-lasting security that will not wear out. Still electric locking provides ultimate mechanical strength but uses power only while opening.

With ABLOY Electric Locks you get

1. Wide product range
2. Complete solution
3. Energy saving
4. Safety with standards approvals
5. Aesthetic appearance
6. User friendliness
7. More functions



**ABLOY ELECTRIC
LOCKS FOR
DIFFERENT
TYPES OF DOOR
ENVIRONMENTS**

Lock types
Page 4

ABLOY CERTA
Motor locks
Page 5

Handle controlled
solenoid locks
Page 12

Push and Pull
solenoid locks
Page 16

Mechanical/
Microswitch locks
Page 17

Electric Locks

ABLOY Electric locks have over 40 years of trust, innovation and dedication to engineering excellence that is part of our Finnish DNA and heritage. Our products are designed for high-end security and sustainability, with precision performance under all operational conditions. ABLOY DIN range locks are designed to match the regulations and dimensions of the European markets but are known and used all around the world.

WITH THESE SYMBOLS YOU CAN EASILY FIND THE RECOMMENDED PRODUCTS AND FEATURES OF EACH LOCK



HANDLE USED
indicates when handle is being pressed down.



BOLT IN
indicates when deadbolt is retracted.



BOLT OUT
indicates when deadbolt is completely drawn out and deadlocked.



CYLINDER USED
indicates when key is turned inside the cylinder.



DOOR CLOSED
indicates when trigger bolt is pressed in.



CABLE SABOTAGE
Indicates when cable is cut.



EN179 standard
for emergency exit products, exit route can be equipped by handles.



EN1125 standard for panic exit products, exit route must be equipped with panic bars.



EN1634 standard for fire door products, defines the category of fire insulation.

The following standards apply to specific lock cases depending on the category of use.

EXIT – standards require a lock case model with inside handle, push pad or panic bar that can always be used for safe exit.



CYLINDER



LEAD COVER



LOCK CASE



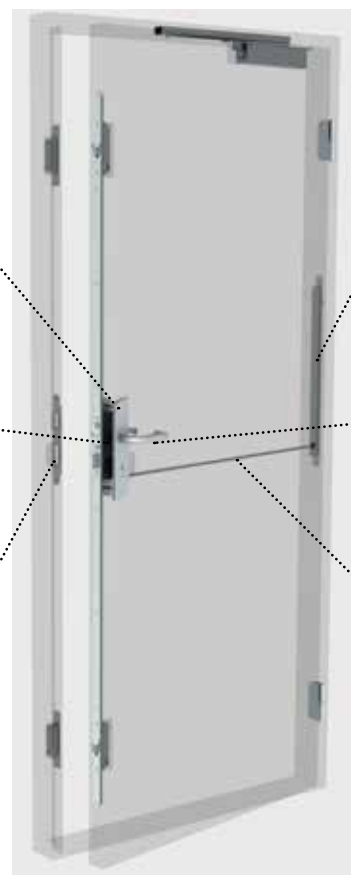
FITTINGS AND HANDLES



STRIKE PLATE

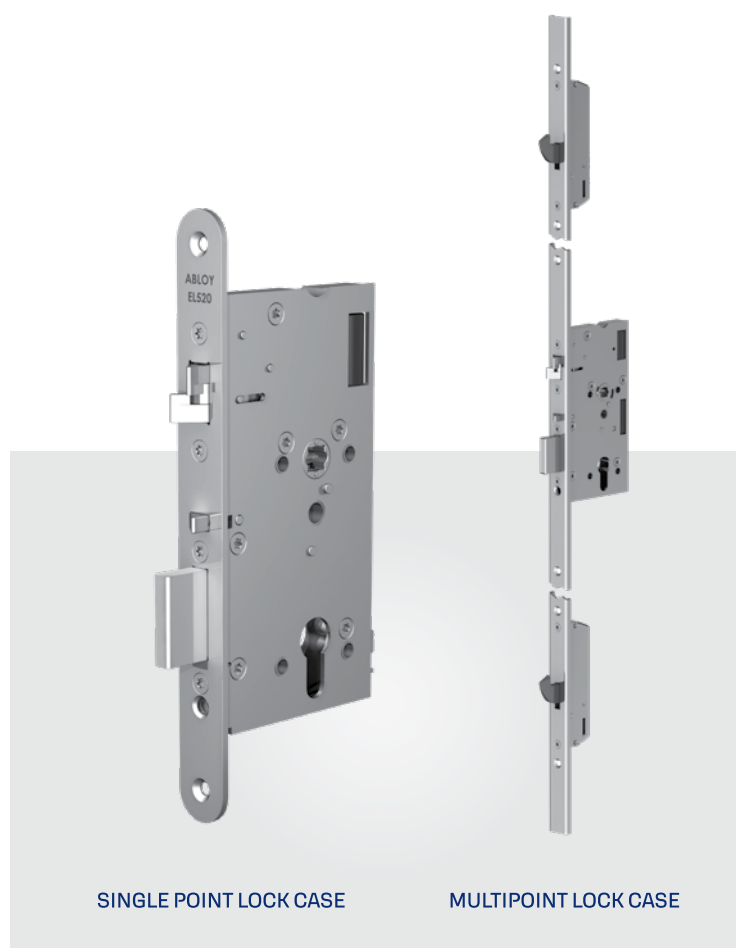


CABLE



Lock types

AVAILABLE IN TWO SETS OF MODELS



ABLOY Electric Lock product range is available in two sets of models, single point locks and multipoint locks. They both share the same functionality and type of use, as the middle locks of the multipoint locks are based on the single point locks. You can recognize multipoint locks from the product code which in mechanical, microswitch and solenoid locks ends with digit 6 or 7, and in motor locks begins with MP.

AS EXAMPLE:

- EL566/EL567 are the multipoint versions of EL560/EL561
- MP520 is the multipoint version of EL520

MULTIPOINT LOCKS

With multipoint lock cases the level of security and protection of doors is reached to higher level. Locking solution with three lock cases connected together to function as one gives the best support to doors from bending without losing any of the ease of use compared to single point lock cases. Multipoint locks offer several functional options with comprehensive selection of status indications on one

multipoint locking solution. In addition to increased security, they offer the same versatility as single point lock cases.

Multipoint locks are available also with flat forend. This new shape opens more possibilities for clean-cut installations in different types of doors. This reduces the door gap and gives excellent protection against fire, smoke and burglaries.

ABLOY CERTA – Motor locks

APPLICATION

ABLOY CERTA Motor locks are used in doors that require:

- Convenience (push / pull function)
- Security (no handles outside)
- High durability (high traffic doors)
- Door automation and controlled access

FUNCTION

ABLOY CERTA Motor lock has two deadlocking elements: a double action latch and a dead bolt. The deadbolt is withdrawn inside the lock case by motor and the double action latch is released, when electrical control is on. Locks are always automatically deadlocked when the door is closed.

CONTROL SWITCH

Momentary (Public and Hi-Security):

Dead bolt is retained inside the lock case adjustable delay between 2 – 15 seconds.

Continuous (Small business, Public and Hi-Security):

Dead bolt is retained inside the lock case as long as electrical control is on.

When the door closes and the delay or electrical control is off, both deadbolt and double action latch are deadlocked. In case of power failure deadbolt and double action latch are always deadlocked in categories Public (EL420, EL520) and Hi-Security (EL432, EL532). In category Small Business (EL418, EL518) the bolt remains its current position in case of power failure.

ABLOY CERTA Hi-Security

Hi-Security category locks are suitable for electrically controlled fire rated doors requiring extremely high level of security. Unlike other lock cases Hi-Security locks can be used in day mode (free access by pushing or pulling), night mode (deadlocked but exit-handle enabled) and also in secure mode (deadlocked and inside handle disabled). The inside handle is electrically controlled but in case of emergency or power failure the locks can be opened by the inside handle. Mechanical opening by cylinder is always possible.



SINGLE POINT LOCK CASES

EL432, EL532

RECOMMENDED PRODUCTS



EA324



EA231



EA281



CY332T

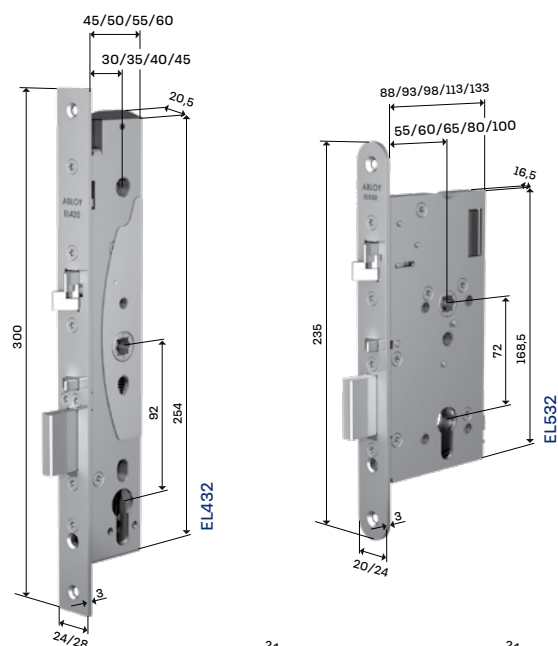


DH006

INDICATIONS



STANDARD APPROVALS



MULTIPOINT LOCK CASES

MP432, MP532

RECOMMENDED PRODUCTS



EA324/
EA306



EA231



EA281

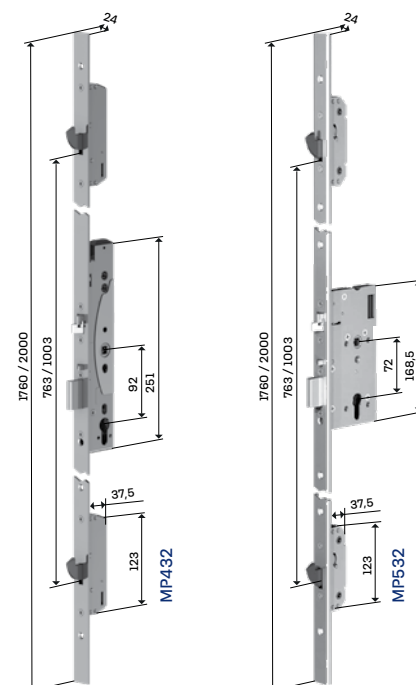


CY332T



DH006

STANDARD APPROVALS



SPECIAL MODEL FOR EXTRA HIGH SECURITY

EL532HS

RECOMMENDED PRODUCTS



LP764



EA231



EA281

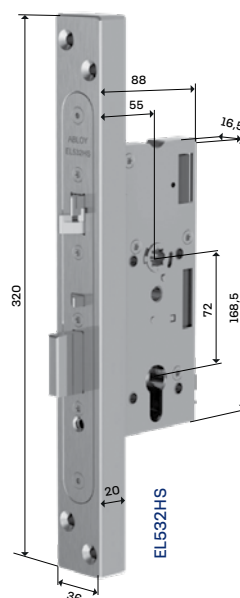


CY332T



DH628

STANDARD APPROVALS



ABLOY CERTA – Range, Public

The public category locks are suitable for EXIT-doors (EN179/ EN1125) and fire rated doors. Public range locks provide perfect combination of safety and security for number of different door environments. Locks can be used in day mode, where deadbolt is driven in giving free access and egress by pushing or pulling the door open. Other option is to use the lock in secure mode where the lock is automatically deadlocked when door is closed, but it can always be opened by inside handle. Mechanical opening by cylinder is also always possible.

SINGLE POINT LOCK CASES

EL420, EL520

RECOMMENDED PRODUCTS



EA324



EA219



EA281



CY321T

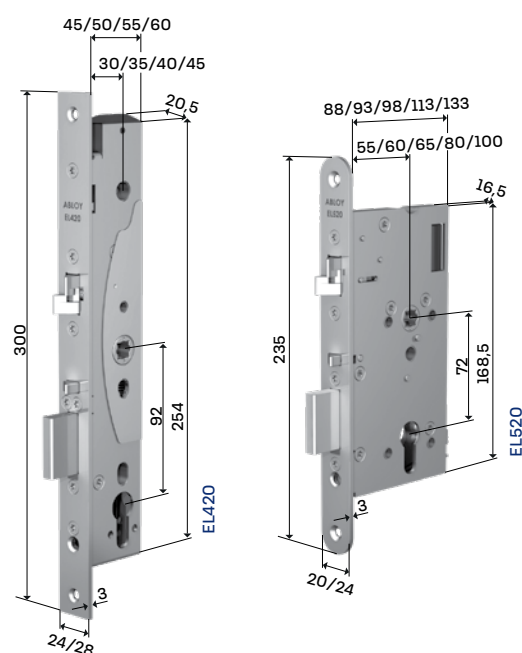


EH006

INDICATIONS



STANDARD APPROVALS



MULTIPOINT LOCK CASES

MP420, MP520

RECOMMENDED PRODUCTS



EA324/
EA306



EA219



EA281



CY321T

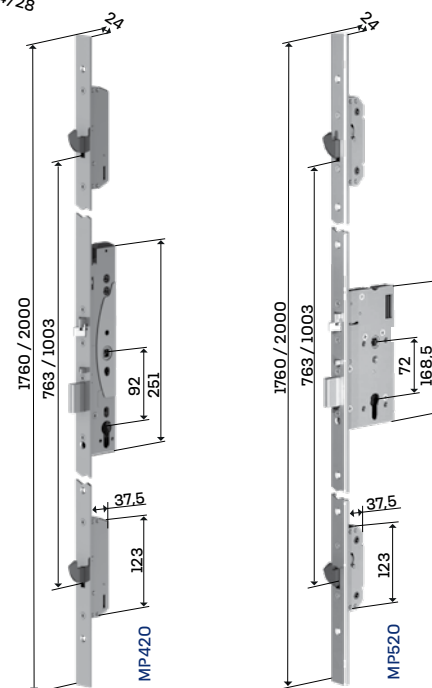


EH006

INDICATIONS



STANDARD APPROVALS



ABLOY CERTA –Range

Small-Business

The Small Business category locks provide perfect mechanical security combined with the best features of motor locks. These locks are ideal choice for high-traffic doors, where access control is required, but indication information or door automatics are not necessary. The locks can always be opened by inside handle. Mechanical opening by cylinder is also always possible.

EL418, EL518

RECOMMENDED PRODUCTS



EA324



EA221



EA281



CY321T

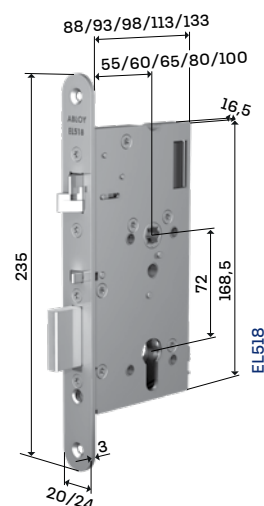
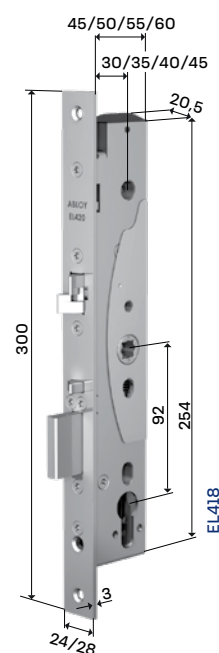


EH004

INDICATIONS



STANDARD APPROVALS



MULTIPOINT LOCK CASES

MP418, MP518

RECOMMENDED PRODUCTS



EA324/
EA306



EA221



EA281



CY321T

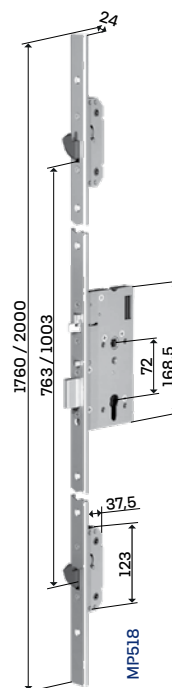
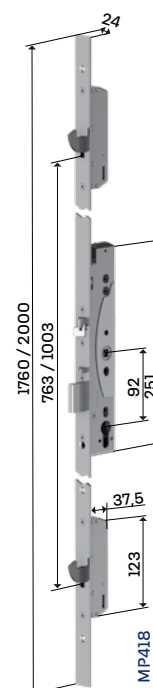


EH004

INDICATIONS



STANDARD APPROVALS



ABLOY Solenoid Locks

ABLOY offers a full range of solenoid locks for different door styles and applications. The solenoid lock range comprises handle controlled locks in both single point and multipoint locking, but also sophisticated single point lock case with push/pull function.

As a trademark of ABLOY electric locks also solenoid locks all share the high level of safety and exquisite finishing as a proof of worldwide known premium quality.

For different
door styles and
applications



APPLICATION

ABLOY solenoid locks are used in the doors that require:

- Safety for EXIT-doors, where the inside handle is always in function
- Convenience of push/pull function
- Controlled handle function

Typical applications are offices, meeting rooms and other interior doors of public buildings.

Solenoid lock range includes products for wooden and metal doors and for narrow profile doors as well as multipoint lock cases.

Solenoid locks can be used in exit doors equipped with exit handles, push pads or panic bars depending on the door type. The locks can also be electrically controlled by access control system or by other remote control system such as time control, keypad or push button.

FUNCTION

ABLOY handle controlled locks have two deadlocking bolts: a double action latch and a deadbolt. The deadbolt is withdrawn inside the lock case and the locking of double action latch is released by pushing the handle. The locks are always automatically deadlocked when the door is closed.

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 controlled handle when power is on, and can not be opened by controlled handle, when power is off. In the fail unlocked setting, the electrical function is the opposite.

Push/pull function lock has a deadlocking double action latch, which is released by push pad or by electrical control. The lock with double action latch can be used in both right- and left-handed doors and in full swing doors.

ABLOY Solenoid Locks Handle Controlled

Handle controlled locks are best suited in medium traffic doors. The locks can be electrically controlled by access control system or by a remote control system such as timer, keypad or push button. The locks can be used in emergency exit, panic exit and fire rated doors (EN). The locks are not suitable for use with door automatics.

EL460 or EL560 is used if mechanical exit function is needed. Only outside handle is electrically controlled. The lock can always be opened by inside handle. Mechanical opening by cylinder is always possible.

EL461 or EL561 is used if both access and exit are electrically controlled. Both inside and outside handles are simultaneously controlled and released. Mechanical opening by cylinder or thumbturn is always possible.

EL460, EL461

EL460 and EL461 are used in narrow profile

RECOMMENDED PRODUCTS



EA324



EA219



EA281



CY321T

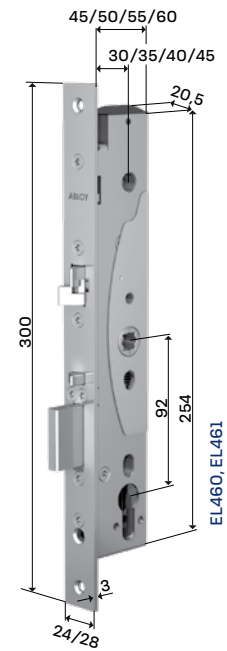


EH004

INDICATIONS



STANDARD APPROVALS



EL560 and EL561 are used in wooden and metal doors.

RECOMMENDED PRODUCTS



EA324



EA219



EA281



CY321T

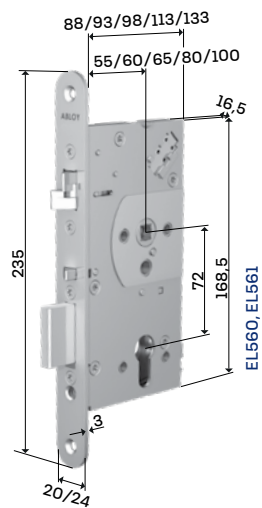


EH004

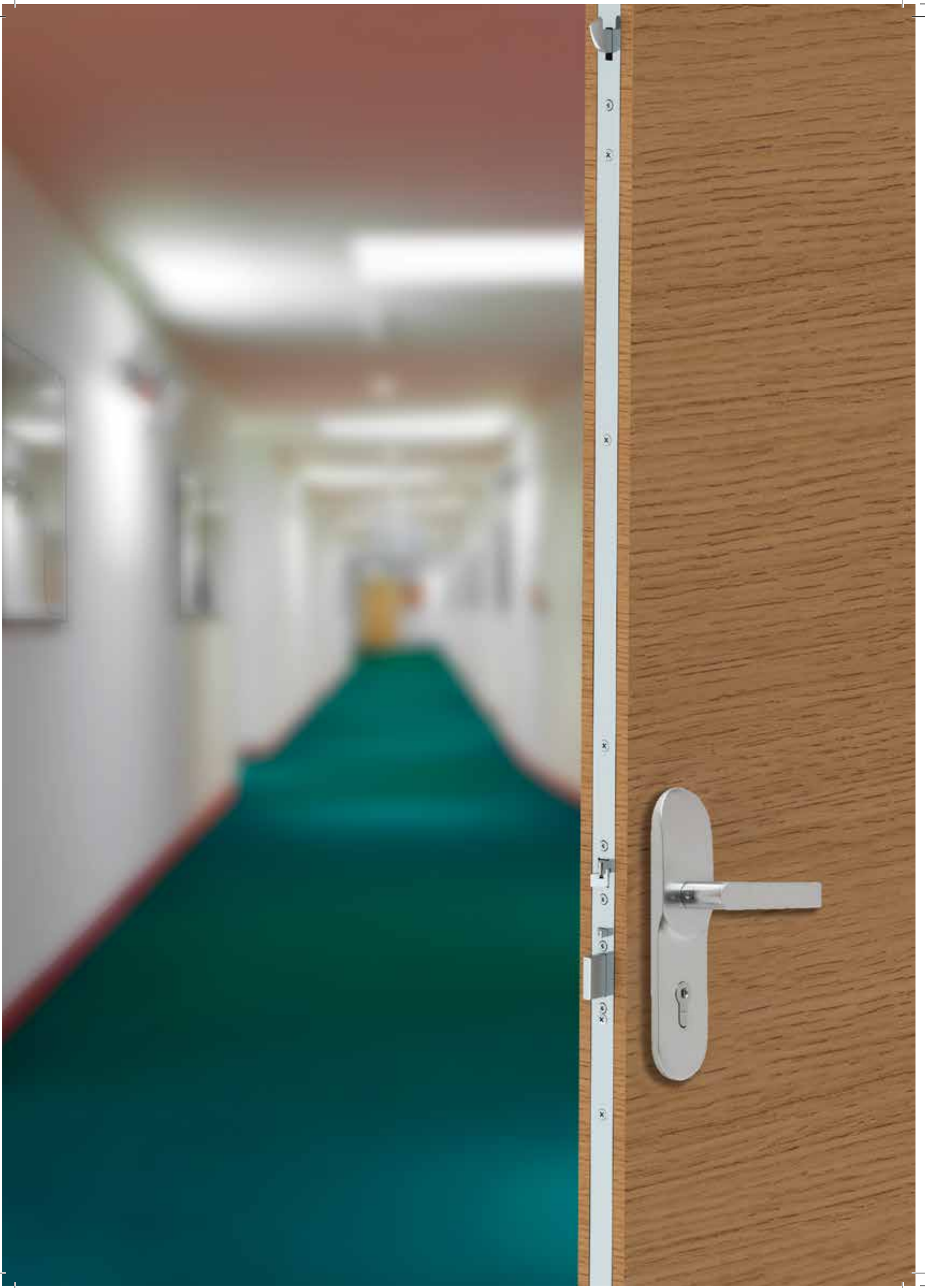
INDICATIONS



STANDARD APPROVALS



* EL461 and EL561 are not EXIT-approved.



EL466, EL467

EL466 and EL467 are used in narrow profile doors.

RECOMMENDED PRODUCTS



EA324+
EA306



EA219



EA281

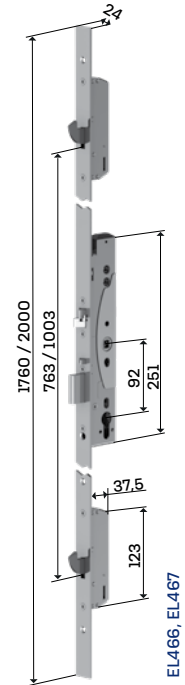


CY321T

INDICATIONS



STANDARD APPROVALS



EL566, EL567

EL566 and EL567 are used in wooden and metal doors.

RECOMMENDED PRODUCTS



EA324+
EA306



EA219



EA281



CY321T

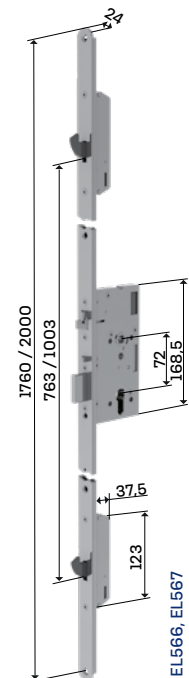


EH004

INDICATIONS



STANDARD APPROVALS



* EL467 and EL567 are not EXIT-approved.

ABLOY Solenoid Locks

Push & Pull Function

ABLOY EL404 lock case with double action bolt features an innovative adjustable backset technique. ABLOY EL404 is typically used in narrow profile exterior doors of apartment buildings and interior doors of business premises. The lock has a double action bolt construction for durable and easy use and it offers a cost effective way of electric locking that is highly advantageous in comparison to e.g. electric strike.

ABLOY EL404 can be controlled by a variety of control devices such as card reader, keypad or timer. The lock can be connected to door automatics and is an excellent solution for use with access control systems. Horizontal frame mounting above the door is also possible.

Because of its unique symmetrical trigger bolt ABLOY EL404 can be used in swinging doors. With EL404 door can be opened by pushing or pulling when electric control is switched on. EL404 can be configured to operate also fail unlocked, then the door can be opened by pushing or pulling when the electric control is switched off. Lock can always be opened by key or by thumbturn. For higher security the lock deadlocks automatically when the door closes.

FUNCTIONAL FEATURES

- Adjustable backset
- Non-handed, symmetrical trigger bolt
- Immediate release of deadlocking
- Configurable fail locked / fail unlocked
- Wide operating voltage

ABLOY EL404 is not recommended for use in doors with seal force or in fire rated doors. In swing doors the lock may be locked only when the door has completely stopped in the closed -position.

EL404

RECOMMENDED PRODUCTS



EA307



EA221

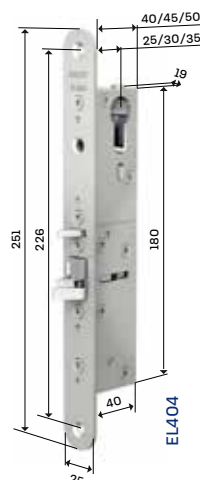


EA281



CY323T

INDICATIONS



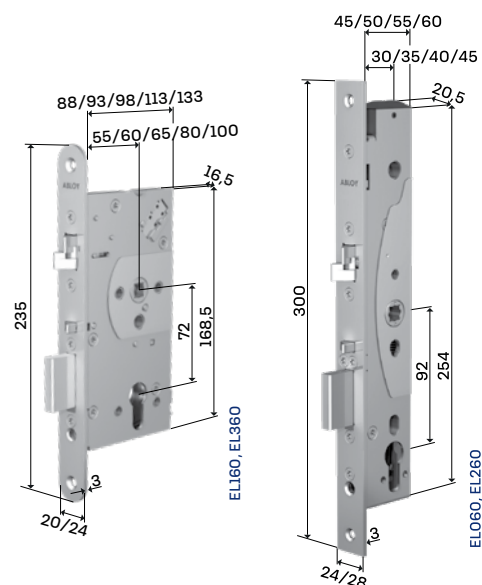
Mechanical / Microswitch Locks

DIN range includes also microswitch and mechanical lock cases with the same dimensions with handle controlled solenoid locks. Both microswitch and mechanical locks share also the same mechanical strength as handle controlled solenoid locks to guarantee the high level of security. Microswitch and mechanical locks are available both in single point and multipoint lock versions.

Microswitch locks are used in doors where door status indications are required but the electric function is not a necessity. Door can be connected to alarm system but not for example to door automatics.

Mechanical locks are used in door environments not requiring any electric functions or indications.

Microswitch and mechanical lock cases are recommended to be used with the inside handle only. The lock can always be opened by inside handle, so these locks can be used in EXIT-doors. Opening from outside by cylinder is always possible.



RECOMMENDED PRODUCTS



EA324/
EA306



EA219



EA281



CY321T

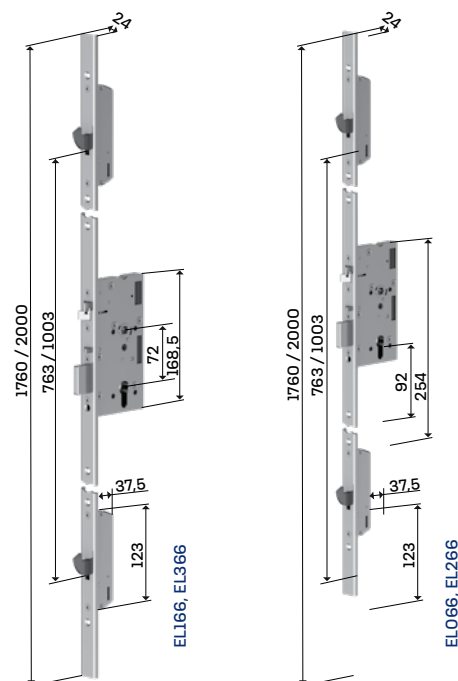
* Not used with mechanical locks.

INDICATIONS



Not available with mechanical locks.

STANDARD APPROVALS





Accessories

Use original ABLOY accessories to ensure the correct function on the lock and the door environment. The ABLOY Electric locks are designed and tested together as a package with ABLOY accessories. Therefore it is highly recommended to use the correct components to ensure the safety and security of the door.

By choosing the model-specific ABLOY striker plate the electric locks work in the door as smoothly and long-lastingly as they are designed to. ABLOY lead covers assure the safe connection for the cable from door to the frame. Lead covers protect the wires and increase the durability of the cable. Lead covers are available in two versions. EA280 is recommended to doors with maximum opening angle of 120°. The longer version EA281 is recommended to doors with maximum opening angle of 180°.

Please, see technical compatibility details table at page 20 – 21.

EN14846 The Standard for Electromechanical Locks

All of our DIN range lock cases are officially tested and approved according to the standard for electromechanical lock cases. EN14846 combines the mechanical strength tests (former EN12209) with electric testings, which means that the lock cases are tested more versatile than ever before. The electric lock standard contains levels of lock status indications and electrical manipulation.

All of the DIN range lock cases are tested according to:
EN14846 standard for electromechanical locks, defines the category of use, mechanical strength and electrical features.
EMC testing for electromagnetic compatibility ensures that products are tested against electric emission and interference.

Technical Compatibility Details

Solenoid lock cases
















		EL404	EL460	EL461	EL466	EL467	EL560	EL561	EL566	EL567
Cylinders										
	ABLOY PROTEC ² (T)									
	ABLOY NOVEL (U)									
	Single									
	CY321 (T,U)		x		x		x		x	
	CY331 (T,U)		x		x		x		x	
	CY326 (T,U)		x		x		x		x	
	CY336 (T,U)		x		x		x		x	
	Double									
	CY322 (T,U)	x		x		x		x		x
	CY332 (T,U)	x		x		x		x		x
	CY327 (T,U)	x		x		x		x		x
	CY337 (T,U)	x		x		x		x		x
	Single w thumbturn									
	CY323 (T,U)	x		x		x		x		x
	CY333 (T,U)	x		x		x		x		x
	CY328 (T,U)	x		x		x		x		x
	CY338 (T,U)	x		x		x		x		x
Cable										
	EA211 (6 m)	x								
	EA218 (6 m)		x	x	x	x	x	x	x	x
	EA230 (6 m)									
	EA221 (10 m)	x								
	EA219 (10 m)		x	x	x	x	x	x	x	x
	EA231 (10 m)									
Lead Cover										
	EA280	x	x	x	x	x	x	x	x	x
	EA281	x	x	x	x	x	x	x	x	x
Strike plates										
	For main locks									
	EA307	x								
	EA308	x								
	EA311	x								
	EA321		x	x	x	x	x	x	x	x
	EA322		x	x	x	x	x	x	x	x
	EA323		x	x	x	x	x	x	x	x
	EA324		x	x	x	x	x	x	x	x
	EA325		x	x	x	x	x	x	x	x
	EA326		x	x	x	x	x	x	x	x
	EA327		x	x	x	x	x	x	x	x
	EA328		x	x	x	x	x	x	x	x
	EA329		x	x	x	x	x	x	x	x
	EA330		x	x	x	x	x	x	x	x
	EA331		x	x	x	x	x	x	x	x
	EA332		x	x	x	x	x	x	x	x
	LP764									
	For auxiliary locks									
	EA306				x	x			x	x
	LP780								x	x
	LP781								x	x

Motor lock cases

		EL418	EL420	EL432	MP418	MP420	MP432	EL518	EL520	EL532	MP518	MP520	MP532	EL532HS
Cylinders														
	ABLOY PROTEC ² (T)													
	ABLOY NOVEL (U)													
	Single													
	CY321 (T,U)	x	x	x	x	x	x	x	x	x	x	x	x	x
	CY331 (T,U)	x	x	x	x	x	x	x	x	x	x	x	x	x
	CY326 (T,U)	x	x	x	x	x	x	x	x	x	x	x	x	x
	CY336 (T,U)	x	x	x	x	x	x	x	x	x	x	x	x	x
	Double													
	CY322 (T,U)	x	x	x	x	x	x	x	x	x	x	x	x	x
	CY332 (T,U)	x	x	x	x	x	x	x	x	x	x	x	x	x
	CY327 (T,U)	x	x	x	x	x	x	x	x	x	x	x	x	x
	CY337 (T,U)	x	x	x	x	x	x	x	x	x	x	x	x	x
	Single w thumbturn													
	CY323 (T,U)	x	x	x	x	x	x	x	x	x	x	x	x	x
	CY333 (T,U)	x	x	x	x	x	x	x	x	x	x	x	x	x
	CY328 (T,U)	x	x	x	x	x	x	x	x	x	x	x	x	x
	CY338 (T,U)	x	x	x	x	x	x	x	x	x	x	x	x	x
Cable														
	EA211 (6 m)	x			x			x			x			
	EA218 (6 m)		x			x			x			x		
	EA230 (6 m)			x			x			x			x	x
	EA221 (10 m)	x			x			x			x			
	EA219 (10 m)		x			x			x			x		
	EA231 (10 m)			x			x			x			x	x
Lead Cover														
	EA280	x	x	x	x	x	x	x	x	x	x	x	x	x
	EA281	x	x	x	x	x	x	x	x	x	x	x	x	x
Strike plates														
	For main locks													
	EA307													
	EA308													
	EA311													
	EA321	x	x	x	x	x	x	x	x	x	x	x	x	
	EA322	x	x	x	x	x	x	x	x	x	x	x	x	
	EA323	x	x	x	x	x	x	x	x	x	x	x	x	
	EA324	x	x	x	x	x	x	x	x	x	x	x	x	
	EA325	x	x	x	x	x	x	x	x	x	x	x	x	
	EA326	x	x	x	x	x	x	x	x	x	x	x	x	
	EA327	x	x	x	x	x	x	x	x	x	x	x	x	
	EA328	x	x	x	x	x	x	x	x	x	x	x	x	
	EA329	x	x	x	x	x	x	x	x	x	x	x	x	
	EA330	x	x	x	x	x	x	x	x	x	x	x	x	
	EA331	x	x	x	x	x	x	x	x	x	x	x	x	
	EA332	x	x	x	x	x	x	x	x	x	x	x	x	
	LP764													x
	For auxiliary locks													
	EA306				x	x	x				x	x	x	
	LP780				x	x	x				x	x	x	
	LP781				x	x	x				x	x	x	

RECOMMENDED COMBINATIONS

Lock case	Cylinder	Handle
Handle controlled locks		
Solid spindle EL461 EL467 EL561 EL567	Double CY322 (T, U)	DH004/0750 Ms/Cr DH004/2750 
Split spindle EL460 EL466 EL560 EL566	Single CY321, (T, U)	DH004/042 Ms/Cr DH004/242 
Push&pull function locks		
EL404	Single w/thumbturn CY323 (T, U)	
EL418/MP418	CY321 (T, U)	DH004/0730 Ms/Cr DH004/2750/115
EL420/MP420	Double	DH006/0730 Ms/Cr DH006/2750/115
EL432/MP432	CY322 (T, U)	
EL518/MP518		DH004/040 Ms/Cr DH004/242/115
EL520/MP520		DH006/040 Ms/Cr DH006/242/115
EL532/MP532 EL532HS		
Mechanical/microswitch locks		
EL360/EL366	Single	DH004/0750 Ms/Cr DH004/2750
EL260/EL266	CY321 (T, U)	DH004/042 Ms/Cr DH004/242
EL160/EL166		DH006/0750 Ms/Cr DH006/2750
ELO60/ELO66		DH006/042 Ms/Cr DH006/242

Exit handle	Panic bar	Additional info	
<p>ABLOY FORUM EXIT 4 EH004</p>  <p>ABLOY POLAR EXIT 6 EH006</p>  <p>ABLOY PRESTO 3-20 EH060</p> 	<p>PBE011 FOR NARROW STILE, METAL AND WOODEN DOORS</p>  	 <p>CHROME (CR)</p>	 <p>SATIN CHROME (HCR)</p>
		 <p>ABLOY® ACTIVE</p> <p>POLISHED BRASS (KILA)</p>	 <p>ABLOY® ACTIVE</p> <p>BRUSHED BRASS (HALA)</p>
		 <p>ABLOY® ACTIVE</p> <p>WHITE (VAL RAL9010)</p>	 <p>ABLOY® ACTIVE</p> <p>BLACK (MUS RAL9005)</p>
		 <p>ABLOY® ACTIVE</p> <p>ALUMINIUM GREY (HAR RAL9006)</p>	 <p>ABLOY® ACTIVE</p> <p>GRAPHITE (GRA RAL790-M)</p>
		 <p>STAINLESS STEEL BRUSHED NICKEL (RST/NIHA)</p>	 <p>ANODIZED ALUMINIUM (AHO)</p>



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ABLOY offers security and locking innovations dedicated to creating more trust in the world. Combining digital and mechanical expertise, Abloy Oy develops industry-leading security solutions that protect people, property and business. Abloy is part of the ASSA ABLOY Group, the global leader in access solutions. Every day, we help billions of people experience a more open world.

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