EMERGENCY EXIT DEVICES ACCORDING TO EN 179

The following locks and handles are approved to be installed together in an emergency exit door to conform EN 179.

Profile door locks	IKON DO 20.15.02	FSB DO 20.03.01, DO 20.03.02	HEWI DO 20.13.01, DO 20.13.02
EL420 EL422	e.g. S6B8	1016, 1023, 1052, 1056, 1070, 1080, 1088, 1090, 1117, 1118, 1119, 1137, 1146, 1155, 1160, 1161, 1162, 1177,	111, 111.23, 114.23GK, 131, 132, 111X, 113X, 114X, 161X, 163X, 171X, 112X, 165X,
Wooden and metal door locks		0/1/ 0/17 0/10	100%
EL520 EL522	e.g. S4K6		

The safety features of this product are essential to its compliance with EN 179. No modification of any kind, other than those described in the installation manual, are permitted.

PANIC EXIT DEVICES INSTALLATION ACCORDING TO EN 1125

The following locks and push bars are approved to be installed together in an panic exit door to conform EN 1125. The push bars can be installed for example with above mentioned outside fittings (Table EN 179) to conform EN 1125.

Profile door locks	effeff	JPM	
	DO 30.04	DO 30.05	
EL420	8000-00-1100 (-), 8000-10-1100 (PZ)		
EL422	8000-00-1100 (-), 8000-11-1100 (RZ)		
Wooden and metal	effeff	NORMA 870000-30-0A	
door locks	DO 30.04	NORMA 870000-31-0A	
EL520	8000-00-1100 (-), 8000-20-1100 (PZ)	NORMA 870000-32-0A	
EL522	8000-00-1100 (-), 8000-21-1100 (RZ)	NORMA 870000-33-0A	

The safety features of this product are essential to its compliance with EN 1125. No modification of any kind, other than those described in the installation manual, are permitted.

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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ABLOY Oy is one of the leading manufacturers of locks, locking systems and architectural hardware and the world's leading developer of products in the field of electromechanical locking technology.

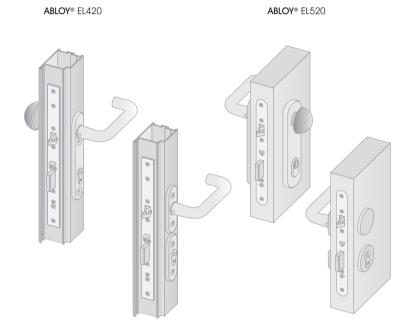
technology.

The ASSA ABLOY Group is the world's leading manufacturer and supplier of locking solutions, dedicated to satisfying end-user needs for security, safety and convenience.



ABLOY® EL420, EL520

- Europrofile motor locks



New Europrofile locks can be installed with long plates or roses..

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FUNCTION

The lock has two deadlocked bolts: a double action bolt and a dead bolt. The dead bolt is withdrawn inside lock case by motor and double action bolt is released, when electrical control is on.

The lock can always be opened by inside handle. Mechanical opening by cylinder is always possible.

CONTROL SWITCH

Momentary: Dead bolt is retained inside the lock case for the adjusted delay of 2...15 seconds.

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

When the door closes, and the delay / electrical control is off, both bolts are deadlocked. In the case of power failure, the bolts are always deadlocked.

APPLICATION

Motor locks are used in the doors requiring:

- convenience (push / pull function)
- security (no handles outside)
- high durability (high traffic doors)

The locks are recommended to be used in the interior and exterior doors of business premises, public buildings, hospitals, educational premises etc. Typical applications

- entrance doors
- interior entrance doors between different building sections
- corridor doors
- fire doors (high traffic)
- high traffic access controlled doors
- swing doors with door automatics

EL520 are used in wooden and metal doors. EL420 are used in narrow profile doors. When exit by handle is needed, the lock is installed with the inside handle. When both access and exit is electrically controlled, the lock is installed with pulls on the both sides of the door. The locks can be electrically controlled by access control system or by other remote control system such as timer, keypad or push button.

The locks can be used both in exit and in fire rated doors (EN).

Also available lock cases for Swiss cylinder (RZ):

- EL522 for wooden or metal doors
- EL422 for narrow profile doors

STANDARD DELIVERY

Lock case is delivered as opening direction 2.4.

Standard delivery includes:

- Lock case
- Fixing screws etc.
- Spindle adapters
- Installation manual

Please specify when ordering:

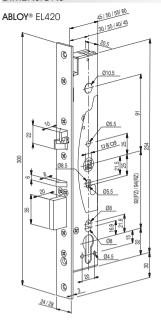
- Lock type
- Backset, Forend
- Opening direction to select strike plate

OPENING DIRECTIONS (HANDINGS)

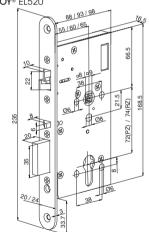
ABLOY	DIN
Right inwards	Left inwards
② Left inwards	Right inwards
3 Left outwards	Left outwards
Right outwards	Right outwards
3 Left outwards	Left ou



DIMENSIONS



ABLOY® EL520



STANDARDS

EN STANDARDS				
EN 179:2003	Exit			
EN 1125	Panic exit			
EN 1634-1	Fire resistance			
EN 61000-6-1:2001	EMC			
EN 61000-6-3:2001	EMC			
prEN STANDARDS (under testing)				
prEN 12209	Mechanical resistance			
prEN 1627	Burglary resistance			
LOCAL STANDARD	S (under testing)			
	,			
NEN 5089:1995	SKG, mechanical strength and burglary resistance			
GOST-R	3.,			

TECHNICAL DETAILS

Operating voltage: 12 - 24 V DC (± 15%) 12 - 18 V AC, RMS (-10%, +15%)

Current: Max. 0.8 A (12 V), 0.4 A (24 V)

Normal 0.45 A (12 V), 0.22 (24 V)

Idle 1.3 A (12 V), 0.6 A (24 V) Max. 0.8 A 30 V AC/DC resist, 10 W

Relays: -20°C - +60°C Operating temperature:

20 mm (deadbolt), 10 mm (double action bolt) Bolt throw:

Backset: 55, 60, 65 mm (EL520) 30, 35, 40, 45 mm (EL420) Forend: 20, 24 mm (EL520) 24, 28 mm (EL420)

Spindle: 9 mm (8 mm with snap spindle adapter)

Settable functions: Mechanical functions:

EXTERNAL CONNECTION

MONITORING: CABLE

SABOTAGE LOOF

- Handing of trigger bolt

CONTROL UNIT

12 - 24V DC +/-15% -0 12 - 18V AC -10%/+15%, RMS

DOOR

HANDLE

CYLINDER

BOLT OUT

POTENTIAL FREE

BOLT IN

Monitoring outputs: Bolt deadlocked Bolt inside the lock case

Door closed Handle used Cylinder used Cable sabotage

CONTROL PRINCIPLE AND AVAILABLE MONITORING OUTPUTS

Narrow profile doors

DOOR ENVIRONMENT

extra cable on both sides of

the lead cover

Ø 20 mm pipes to lead cable

inside the

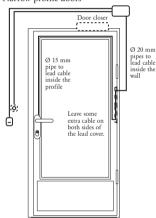
wall

Wooden and metal doors

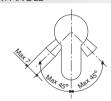
Ø 10 mm

cable

drilling for



CAM ANGLE



COMPATIBILITY CHART FOR CYLINDERS, FITTINGS AND ACCESSORIES

	EUROPROFILE DIN CYLINDERS		FITTINGS	ACCESSORIES (please order separately)		
	ABLOY PROTEC	ABLOY DISKLOCK PRO	FITTINGS	CABLES	LEAD COVERS	STRIKE PLATE
Single	CY303N, CY313N CY307N, CY317N	CY303D	IKON Ruko BEZAULT ABLOY*) others	EA218 (6m) EA219(10m)	EA280 EA281	EA321**) EA322 EA323**) EA324
Double	CY304N, CY314N CY308N, CY318N	CY304D				
Single with thumbturn	CY305N, CY315N CY309N, CY319N	CY305D				

^{*)} For further information, please contact Abloy Oy Tampere factory.
**) Handing must be defined.