TECHNICAL DETAILS

Operating voltage:

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

Current:

Nominal 0,125 A (12V), 0,063 A (24V) Max. 1,0 A (12V), 0,5 A (24V)

Adjustable delay:

2-15 seconds

Operating temperature range:

-20°C - +60°C

Monitoring outputs:

- a) bolt in
- b) bolt out
- c) key cylinder used/free
- d) handle down/free
- e) door open/closed

Bolt throw:

20 mm

Backset:

standard: 30, 35 and 45 mm optional: 40 mm

Forend:

24 mm

Spindle:

9 mm (8 mm with snap spindle adapter)

Finish:

stainless steel forend

Cylinder:

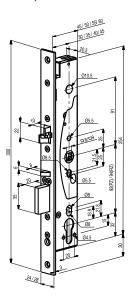
DIN – Europrofile

Security fittings:

DIN – 92 mm distance

Delivery includes:

lock case, external control unit, manual, fixing screws, Allen wrenches



ABLOY EL420 – Motor Lock (Narrow – 92 mm Distance)



ABLOY EL420 – Self-locking narrow lock with motorized dead bolt and external control unit EA420

Application

- For both interior and exterior narrow-profile frame doors.
- Suitable for high traffic doors (200 or more passings per day).
- The lock can be controlled by means of a proximity card reader output contact, keypad, movement sensor, button etc.
- ABLOY EL420 lock can be used in connection with various door automatics. See "Door Automatics" chapter.
- Intended for corridor doors with card readers on both sides, as well as for entrance doors, which are electronically controlled only from the outside – antipanic feature on the inside allows the door to be opened by pushing the handle = emergency exit.
- Can be used in fire resistant doors.
- Safety class 3 Trezor Test, security level "Secret" NBÚ.

Benefits

- Left or right double action latch bolt.
- Self-locking when the door closes, the dead bolt throws out automatically.
- Secured locking in the locked state the dead bolt is thrown out and the latch bolt is blocked – the lock is secured in two points.
- Unified operating voltage 12-24 V DC, 12-18 V AC.
- Fast unlocking in 0.7 s.
- Lock monitoring ability see Monitoring outputs in Technical Details section.

Standards

- EN 1627
- Burglar resistance
- EN 179
- Emergency exit– Panic exit
- EN 1125
- Fire resistant doors
- EN 1634-1STN EN 12209:2004
- Building hardware. Locks and latches.
- Mechanically operated locks, latches and locking plates
- STN P ENV 1627:2001 Burglar resistance



Lock Functions

- When electrical control is on, the dead bolt is withdrawn inside the lock case and the latch bolt is released. The lock is unlocked and the door can be opened by mere pushing.
- · When the door closes, the trigger bolt together with the latch bolt is pushed against the strike plate inside the lock case, and after the latch bolt gets inside the door frame, the dead bolt throws out and the latch bolt is blocked consequently. The lock is secured in two points and protected against throwing-out of the dead bolt off the frame by electric motor.
- The lock is connected to an external control unit EA420, which is included in the delivery.
- In the case of power failure the lock remains locked.
- Mechanical opening using key cylinder is always possible from both sides and the lock can be opened by inside handle (antipanic feature).

Control Unit Dimensions

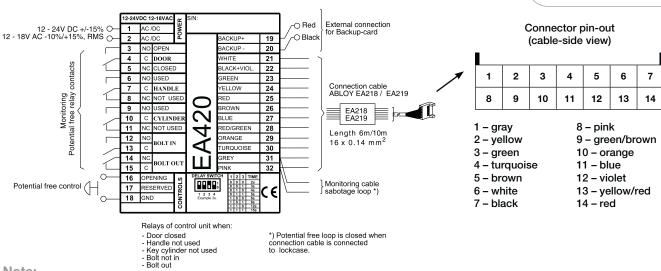
• L x W x H (194 x 113 x 46 mm)



EA420 - Control unit for EL420/EL520



Wiring Diagram



Note:

The lock is equipped with a connector for connection of the external control unit via cable EA218 (EA219). From the lock, the cable must be routed through the door frame via cable lead (EA280, EA281) or surface mounted door cord (8812, TSB - C) into the wall and then to the external control unit EA420. In connection with EN 1125 the lateral panic fittings effeff 8000 are recommended, which are especially suitable for frame doors.

Accessories

Connector cables	Price €		Security fittings	Price €	
EA218 (6 m)	11100 €		SX48 (handle-bar)	11100 €	
EA219 (10 m)			effeff 8000 – panic fittings effeff	p. 110	
Lead covers	Price €		Strike plate	Price €	
EA280 (230 mm)			EA321-EA324		
EA281 (450 mm)			Spindle	Price €	
8812 (330 mm)			9mm – solid		
Proximity card reader	Price €	Price €			
HID EntryProx 4045	p. 136	p. 136	polim		

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