

## ABLOY® PE420

### High security DIN standard motor lock for narrow profile doors



#### Product description

PE420 is an electric lock and it is meant to be used on active door and it is the part for double leaf EXIT door configuration. PE420 is meant to be used on narrow profile doors. Deadbolt is withdrawn inside the lockcase by motor and double action latch is released, when electrical control is on. Door is opened from outside by using door pull. Also possible to connect with door automatics for full hands-free operation. Inside handle opens lock mechanically (exit function), no need for electric control. When door closes, dead bolt is thrown out automatically, double action latch is blocked and the lock case is secured on two points.

#### General:

Double leaf Exit systems are used along guided Exit routes both on interior and exterior doors of business premises, public buildings, hospitals, educational premises etc. EN179 and EN1125 Exit norms create general guidelines for Exit route specifications but the local fire authority determinates local implementations.

#### Function:

PE420 is the part of double leaf EXIT system and it is used on active door. Double leaf Exit system; egress must be able to make freely make regardless of door; either via active or inactive door. Double leaf Exit configuration needs specific locks to be mounted on the inactive door.

#### Overview of Advantages

- Motorized bolt traction for push&pull and door automatics use
- Electric anti-tampering: if deadbolt is thrown out when door is not closed, it is withdrawn automatically.
- Mechanical automatic deadlocking
- Reversible handing, left/right
- Burglary-resistant, due to dead bolt with 20 mm throw
- Exit function from inside handle
- Suitable for fire-rated doors
- Mechanical override with cylinder
- Back-up function: If deadbolt is withdrawn by motor, when power is down, deadbolt is driven out immediately (closed door) or allowed to come out (when door is closed).
- Monitoring functions
  - Door status
  - Handle down
  - Bolt deadlocked
  - Bolt in
  - Key cylinder used
  - Sabotage loop

#### Scope of delivery

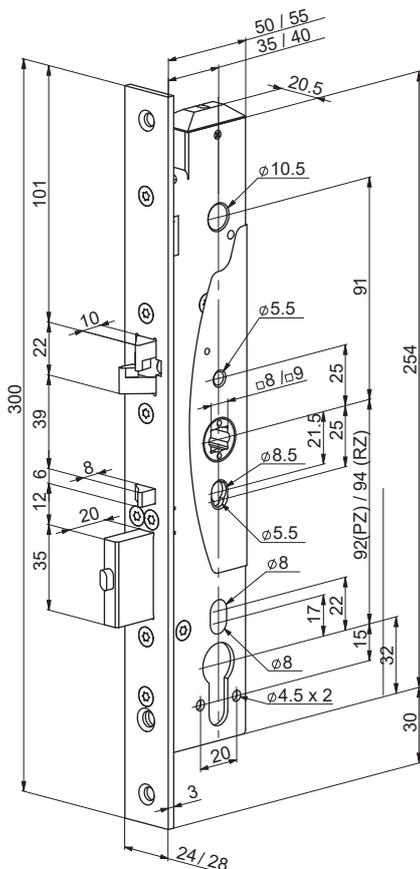
- 1 pc lock
- 1 pc accessory set (fixing screws and spindle adapters 9/8)
- 1 operating manual

#### Ordered separately

- Cable EA218 (6m) / EA219 (10m)
- Lead cover EA280/281
- Handle/pull set (e.g. EHO70) or Panic bar PBE011
- Cylinder (e.g. CY321T)

#### Technical data

Handing	Reversible handing, left/right
Exit function	Yes
Mechanical cylinder override	Yes
Latch	Double action latch
Backsets	35 mm / 40 mm
Dead bolt	Yes, 20mm
Input operating voltage	12-24 VDC 12-18 VAC
Rated current consumption	12 VDC idle 80mA, normal drive 450mA, max. 1300mA 24 VDC idle 40mA, normal drive 220mA, max. 600mA
Relay capacity (monitoring contacts)	Max. 0.8 A 30 V AC/DC resist. 20 W
Suitable for fire doors	Yes
EN14846:2008	0809-CPR-20002737
EN179:2008	0432-CPR-00008-1
EN1125:2008	0432-CPR-00008-2



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It is the customer's responsibility to define the required level of security, whilst taking into consideration relevant factors for its operations. To achieve the overall level of security required in the customer's operations multiple layers of security must be in place. These include for example locking system, key management system, access management, CCTV and alarm system as well as physical security in a manner and level specified by the customer.

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