



Product description

- The 509N is a self-activating panic lock with motorized drive for single-leaf doors. It fulfills the requirements for burglary-resistant doors, fire doors, emergency exit doors and panic doors in accordance with EN 179 and EN 1125. A mechanical sequence control system reliably prevents unwanted extension of the bolt when the door is open. The lock can be used universally for DL/DR with a universal double action latch and switchable contr...
- Integrated electronic control device for external triggering or connection to the ASSA ABLOY Hi/O bus System.
- Integrated monitoring functions via contactless sensors for status query via the external OneSystem IO module:
 - Door status via striking plate contact
 - Bolt retracted and bolt extended
 - Cylinder monitoring
 - Handle follower monitoring

Overview of Advantages

- Integrated motorized drive
- Integrated electronic control device for external activation without additional control, additional functions via the external OneSystem IO module available as an alternative
- Hi-O bus technology for connection to the ASSA ABLOY Hi-O bus system
- Integrated monitoring functions via contactless sensors for status query via the external OneSystem IO module:
 - Door status via striking plate contact, Bolt position retracted and extended, Cylinder monitoring, Handle follower monitoring
- Uniform connection technology: 2-wire bus technology
- 6 mm full face plate for added security
- Uniform lock case dimensions, compatible with 309N/319N (mechanical) and 809N/819N (electro-mechanical)
- Suitable for DIN left/right use thanks to universal double action latch and reversible control latch
- Security fittings and oval roses can be screwed on through the lock
- Solid, surface-hardened deadbolts with 20 mm throw, transverse shear stress 20,000 N
- One variant for Euro profile cylinder and Swiss round profile cylinder

Note

- Striking plate must be ordered separately.

Technical data

Input operating voltage	in accordance with DIN EN 60950-1 SELV; 12 V (-15 %) to 24 V (+15 %); optimal voltage = 24 VDC
Rated current consumption	50 mA (locked in idle state)
Bolt throw	20 mm
Distance	94 mm
Backset	80 mm
Handle follower	9 mm
Certified in compliance with	EN 179, EN 1125
Material faceplate	Chrome-plated steel
Face plate length	446 mm
Dimension housing	328 x 20 x Dornmaß + 15,5 mm (L x B x H)
Faceplate dimensions	446 x 24 x 3 mm
Mounting	Motorized panic security lock
Panic function	E
Side deadbolt stress according to EN 12209	20.000 N
Deadbolt counterforce according to EN 12209	6.000 N

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