



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	92 mm (prepared for Euro profile cylinder), 94 mm (prepared for Swiss round cylinder)
Backset	35, 40, 45, 55, 65, 80 mm
Handle follower	9 mm
Certified in compliance with	EN 179, EN 1125
Material faceplate	Chrome-plated steel
Dimension housing	328 x 20 x Dornmaß + 15,5 mm (L x B x H)
Faceplate dimensions	446 x 24 x 6 mm
Side deadbolt stress according to EN 12209	20.000 N
Deadbolt counterforce according to EN 12209	6.000 N

