

Locking Line

Solenoid Technology

Solenoid door lock (SL & AL)

Solenoid door lock

Discover our compact solenoid door lock, with a very high locking force of at least 1,600 N and a lifetime of 100,000 switching cycles.

The solenoid door lock integrates a high-performance linear solenoid, which has monostable (self-locking) and bistable design (active-locking).

The monostable design enables that the door can be locked every time when the solenoid is not energized. In order to unlock, the solenoid needs to be energized for a short time. The bistable design enables that the door will be locked only if the solenoid is energized for a short time. In order to unlock, the solenoid needs to be energized for a short time as well. The solenoid door lock is equipped with two microswitches to detect the door position and locking process.

For safety reason, this door lock is equipped with an emergency opener.

Kendrion Kuhnke Automation has a wealth of experience in the locking segment and provides optimal and individual solutions for many applications.



Characteristics

- Universal applicable
- Flexible locking combinations
- High maximum static holding force up to 1600 N
- Detection of door position and locking progress
- Emergency opener
- High lifetime

Technical data	Solenoid door lock self-locking (SL) and active-locking (AL)
Operating voltage	24 V DC & 12 V DC (another operating voltage on request)
Power consumption	36 W, 10% Duty cycle (short impulse at least 100 ms)
Dimension (WxLxD)	70 x 70 x 18 mm
Weight	Approx. 150 g
Maximum static holding force	1600 N
Maximum load force for electrical unlocking	400 N
Operating temperature	0 – 80° C (other temperature ranges on request)
Lifetime	100.000 switching cycles
Shock resistance According to DIN EN 60068-2-27	AL: 40g (100g / 11ms available as customised design)
Approval	UL-listed materials are applied

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