

Locking Line

Solenoid Technology

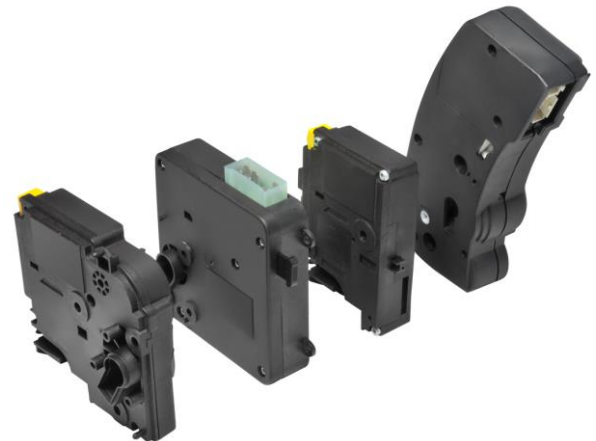
Washing machine door locks

Washing machine door locks (preview)

Kendrion Kuhnke is specialized on various kind of customized locking solutions. We understand what really counts for our customers and which key aspects are important. We develop and manufacture our locking solutions based on our deep engineering know-how. We offer a high grade of flexibility since we integrate some of our standard parts in many of these solutions.

One of the common applications of this locking system is industrial washing machine. This locking system needs to be extremely robust. It also needs to ensure that the door cannot be opened during the washing procedure, even in case of improper operation or vandalism.

A mechanical lock in combination with bi-stable solenoids, end position sensors for the closed and the locked position of the door, as well as central connectors and an emergency opener result in a highly compact unit.



Characteristics

- Robust design
- Protected locking mechanism
- Bi-stable solenoid for high ambient temperatures
- Sensors for “door closed” and “door locked” positions
- Compact lock with emergency opener

Technical data	Professional washing machine door locks
Operating voltage	24 V DC & 12 V DC (another voltage on request)
Power consumption	25 W (short impuls min. 100 ms and max. 2 s)
Dimension (Width x Length x Depth)	Width and length acc. to the installation space. Depth 32 mm Distance from door hook to front panel 15 mm
Mounting	Door lock installed on the left side. Door hinge on the right side. 3 mounting points through self-tapping screw
Locking force	Up to 400 N
Sensors	2 x Microswitches for detecting “door-closed” and “door locked”
Ambient temperature	5 – 80° C
Lifetime	30.000 washing cycles
Vibration resistance	Up to 14 g in all axis
Certificate	RoHS and UL-listed materials

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