

The Mobile Locking Solenoid LLB by Kendrion

Flexible, compact and reliable



The Plug & Play Locking solenoid

The new locking solenoid excels by compact design and high reliability.

Kendrion developed the new electromagnetic locking especially for applications to be used at alternating locations and therefore as self-sufficient as possible. The complete locking unit is based on a bistable electromagnet which can be operated both by power supply and by battery.

The locking bolt is kept in open position by the force of a permanent magnet.

When a current is applied the magnet is triggered and locks by extending the bolt (stroke of 7 mm).

The bolt can withstand **lateral forces of 1,000 N** at a service life of at least **80,000 switching operations**.

Moreover, sensors for end position detection can further increase safety.

Green Signed - Label due to environmentally-friendly solenoid design

Due to the bistable design of the solenoid and depending on the application up to 95% of energy can be saved as energy is only used for the switching operations.



Trolley



Elevator car



Safe Locking



RFID

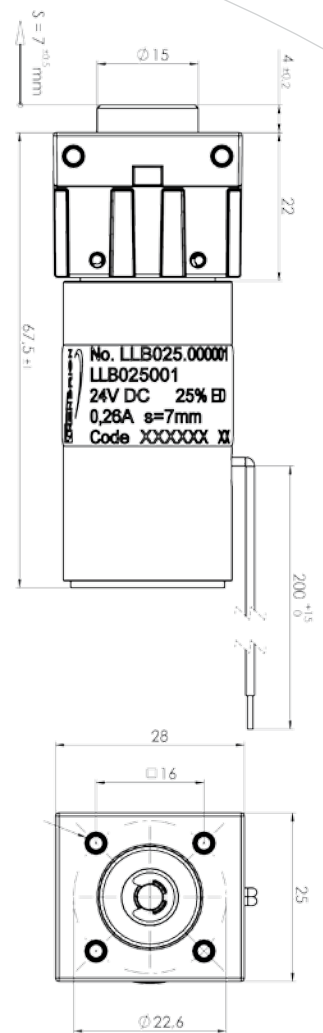


The advantages of LLB at a glance

- high energy efficiency
 - no power consumption in idle state
 - 25,000 switches with one 9V compound battery
- tamper-proof against external magnetic fields
- individual retrofit of locking feasible
- combination with RFID-technology possible

You can order the new Kendrion locking system LLB 025 in this design AS OF NOW:

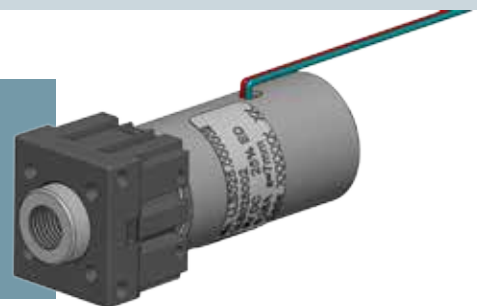
Dimensions	71.5 x 25 x 28 mm
Stroke	7 mm
Supply voltages	from 6 to 50 V DC (optional lithium battery 6 AM6 9V/1200mA)
Model	Bistable (change of position by pole reversal) Front side or lateral installation: 4xM3
Duty cycle (%)	25 %
Power (W)	6,4 W
Protection class	IP40
Holding force	50 N (permanent magnetic)
Lateral force on bolt	1,000N front side installation, lateral installation 500N (locking/unlocking only frictionless)
Position detection (optional)	hall sensor (Minus switching, 5 - 30 V, max. 30 mA)



Customization options

- torsion-proof locking bolt possible
- emergency unlocking mechanism possible
- retrofit of the position detection (hall sensors)
- electrical connection configurable
- **shotbolt function as an option:** snap function with 45°-incline above torsion-proof locking bolt → unit can be moved into position “locked” without power supply (current pulse only for the unlocking operation)

Due to its modular design we can adapt the LLB fast and ideally to your requirements.





WE MAGNETISE THE WORLD

Kendrion (Donaueschingen/Engelswies) GmbH
Fred-Hahn-Straße 33
72514 Inzigkofen-Engelswies
Germany
Tel: +49 7575 208-0
Fax +49 7575 8009-3190
sales-ims@kendrion.com
www.kendrion.com/industrial/ims/en/