

## Locking Solenoids

## Solenoids & Actuators

LLV0500014

### Locking solenoid with limit switches

The new locking solenoid LLV0500014 convinces with a maximum of functional safety, which is achieved by its design and numerous features.

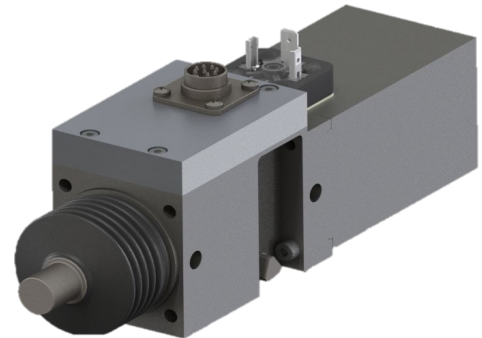
In this LLV, a powerful linear solenoid is extended by a latch housing which provides a separate bearing for the latch bolt. The opening movement is performed from the stroke start position to the stroke end position. The closing movement is performed by an integrated compression spring.

The latch housing has a manual opening and space for up to two limit switches that detect the non-closed state.

The electrical interfaces for the coil and the limit switches are designed separately to allow for different voltage levels and to achieve a higher safety level.

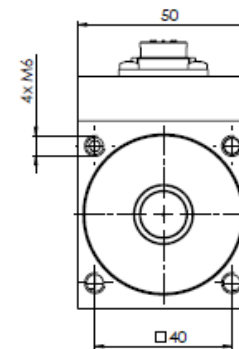
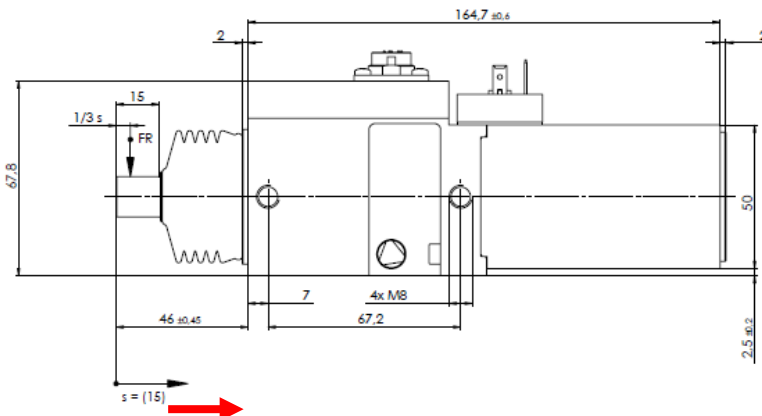
The separate device plug offers the possibility of connecting a device box with a rectifier for AC applications or a device box with holding power reduction for energy saving in front of the solenoid.

The locking solenoid is attached using a hole punch on the flange side or on the latch housing sides. The used materials offer the possibility of UL approval.



#### Benefits at a glance

- Monitoring of the locking bolt position by limit switches
- Safely separated circuits for sensor and actuator
- Bolt made of stainless steel 1.4305
- High radial load-force bearing capacity (3,000N)



Technical Data <sup>1</sup>	LLV0500014
Dimensions (LxWxH)	200 x 50 x 68 mm
Diameter Latching bolt	14 mm
Strike	15 mm
Supply voltage	24V DC and more
Duty cycle	100%
Power	30 W
Protection class device	IP54
Plug	Magnet: Device plug DIN EN 175301-803; Switch: M16 Number of poles 8 DIN
Radial force on bolt <sup>2</sup>	3,000 N

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<sup>2</sup> The maximum permissible transverse force is defined as a radial, purely static point load, which may act at a minimum distance of 1/3 stroke to the face of the stationary locking bolt. No application factors are considered.