

## Linear Solenoids

## Solenoids & Actuators

LLV0150006

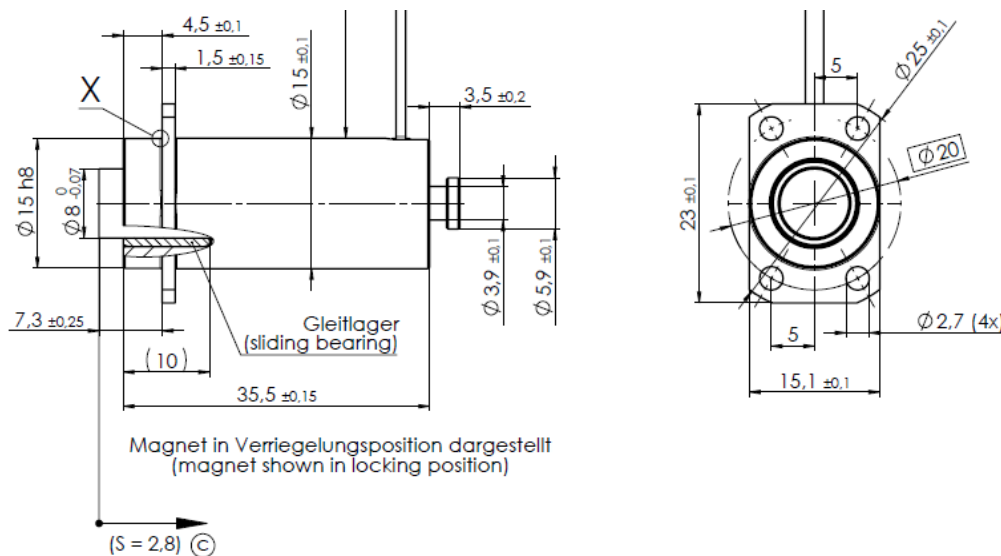
### Electromechanical Pin Brake

The electromechanical pin brake is a combination of a specially designed linear solenoid and e.g. a star wheel mounted by the customer. In the energised state, the pin of the locking solenoid is retracted. In the event of braking, the pin brake is switched off and falls into the gear wheel, thus stopping the movement. The brake guarantees a high level of safety in an emergency and when the system is at a standstill. The travel distance until the application stops is mainly determined by the distance between the points of entry in the rotating counterpart. For low current consumption in the open state, the retracted position is reached once using overexcitation. Afterwards, the position is maintained with a lower holding voltage to save energy.



#### Benefits at a glance

- Compact design
- High safety due to currentless braking
- Low energy consumption due to over-excitation
- High lateral force load-bearing capacity



Technical Data <sup>1</sup>	LLV0150006
Dimensions (LxWxH)	35,5 x 15 x 23 mm
Stroke	2,8 mm
Supply voltage	24V DC
Duty Cycle	3 % DC
Power supply	24 W
Protection class device	IP20
Force	5 N
Return spring	Yes
Switching time	118 ms
Emergency release	Yes
Permitted static lateral force <sup>2</sup>	1.670 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.