

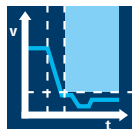
EZN Electric Safety Gripping System. Now also available as a certified Safety Gripping System.

Safe stop mode – fast restarting

Like the SCHUNK EGN safety gripping system, the SCHUNK EZN gripping system certified in accordance with DIN EN ISO 13849 enables safe human/machine collaboration. If the production process is interrupted by an emergency shut-off, the SCHUNK EZN goes into either a safely limited speed or a safe torque off depending on the activated protection zone. In contrast to other solutions available on the market, the SCHUNK safety gripping system is continuously powered even in the safe operating stop so that the gripped parts are reliably held even without mechanical maintenance of gripping force. As soon as the protection zone is released again, the gripper immediately switches back to the regular operating mode without the system having to be restarted.

Simple digital control

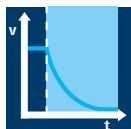
The EZN 3-finger centric gripper is completely modularly designed and covers a wide range of applications. The gripping force, speed, and finger position can be flexibly controlled during the handling process. All sizes have the multi-tooth guidance patented by SCHUNK. The SCHUNK EZN is controlled by the SCHUNK ECM controller equipped with standard connector technology either via Profibus (up to 12 Mbit/s) or CAN bus (up to 1 Mbit/s). To use the certified SLS, SOS, and STO functionalities, the SCHUNK safety module is added to the gripper and the controller. Due to the modular design, existing EZN applications can be retrofitted with the safety functionality at any time.



Safely Limited Speed (SLS)



Safe Operating Stop (SOS)



Safe Torque Off (STO)

World premiere!

Certified safety gripping system. Can also be retrofitted!



Superior Precision!

Multi-tooth Guidance

Immediately available



Sizes
64 .. 100



Weight
0.98 kg .. 2.3 kg



Gripping force
500 N .. 800 N



Stroke per finger
6 mm .. 10 mm



Workpiece weight
2.5 kg .. 4.0 kg

Product features

- Modular gripper concept
- Certified SLS, SOS, and ST0 functionalities
- Performance Level d / SIL 3 in combination with SCHUNK ECM controller and the SCHUNK safety module
- Brushless servo motor
- Different lengths of cable sets for use in cable chains or with robots
- Optionally for dusty, humid, or corrosive environments

Your advantage

- Safety according to EN ISO 13849
- High gripping speed along with high force
- Simple commissioning and parameterization via PC, USB stick, or rotary encoding switch
- Safe holding of the workpiece even when the process is interrupted by an emergency shut-off
- Immediate return to the regular operating mode avoids restarting of the system

Function cross section

- 1 Base jaw
- 2 Wedge-hook design
- 3 Housing
- 4 Kinematics
- 5 Drive

