

Product



Nr. 1 Position

The first electric gripper with Profinet and integrated electronics.

Features

Unique Features:

- ✓ Optional Profinet interface
- ✓ Integrated web server for gripping control with intuitive configuration and diagnostics
- ✓ Integrated sensor ports in the jaws for optional force measuring jaws for precise and controlled gripping
- ✓ Cross section over the entire monitoring operation cycle
- ✓ Dustproof cover for the drive and guidance system with a stainless steel band
- ✓ High functionality with standard commands
- ✓ Multiple interfaces (10/100 Ethernet, CAN Bus (Optional))
- ✓ Program and data storage on a MicroSD card

Additional Product Highlights:

- ✓ Large stroke with compact design
- ✓ Precise handling with high positioning accuracy
- ✓ High dynamics due to belt kinematics

Market and Competition

Main Competitors

- ✓ AFAG SG-50
- ✓ Applied Robotics ARI Smart Gripper
- ✓ SMC LEHF32
- ✓ IAI RC S2-GR8 60

Product Advantages:

- ✓ Integrated gripper control. Can be directly connected via 10/100 Ethernet, CAN-Bus (optional)
- ✓ Intuitive configuration interface with user-friendly help text and a clear layout
- ✓ Remote diagnostics and transmission of status e-mails
- ✓ Base jaws equipped with a standardized electrical interface, enabling the direct integration of additional sensors into the fingers
- ✓ Easy customization of the gripper's functionality via built-in user friendly script programming language.
- ✓ Power efficient thanks to internal energy management

Economy / Customer Benefit

- ✓ Interface flexibility in the integration in future plants
- ✓ Safe handling of different grasping parts without tool change
- ✓ Low cycle times by high acceleration and speed, integrated part detection
- ✓ Intelligent gripping commands offload the customer's process controller
- ✓ Integrated web server for configuration/diagnostics using a standard web browser, enables easy initial setup and programming without the need of installing software
- ✓ Updates quickly, easily and comfortably via SD card feasible and configuration data quickly replicated for any number of grippers
- ✓ Integrated sensor interface saves in the fingers additional cabling

Questions about the product? Your contact person is Tim Sibold

(+49-7133-103-2574)

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Technical Specification

Technical Specification:

- ✓ Stroke per finger: 34 mm
- ✓ Gripping force: 5-50 N
- ✓ Component weight: 0.5 kg
- ✓ Supply voltage: 24 V DC
- ✓ Typical power consumption (idle/holding at nominal force): 2W / 19W
- ✓ Outer dimensions (LxWxH): 118x32x77,8 mm
- ✓ Weight: 0,55 kg
- ✓ Cross rate: 400 mm/s
- ✓ Protection Class: IP 40

Industries and Applications

The WSG is particularly convincing in these areas:

- ✓ The WSG 32 is suitable for demanding automation solutions where flexibility and cleanliness is required and in particular the precise gripping and movement of small to medium-sized workpieces in clean environments.
- ✓ Medical Engineering
- ✓ Assembly
- ✓ Testing
- ✓ Laboratory
- ✓ pharmacy

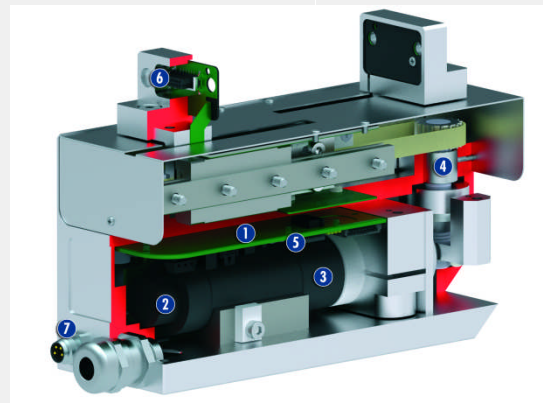
Additional Information

Complementary products:

- ✓ Load fingers (ABF WSG-DV)
- ✓ Universal finger (ABF WSG-GV)

This product is a purchased part of Weiss Robotics GmbH & Co. KG.

Cross Section



1. Integrated gripper control
2. Encoder
3. Drive, DC-servomotor
4. Belt drive
5. MicroSD-card
6. Sensor Port
7. Electrical connector

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