



Work. Together.

The WSG 25-CR kit brings collaborative robotics to your factory. With a gripping force limit that is guaranteed by design to be below 75 N even in case of failure as well as the elimination of any harmful edges at its housing, the WSG 25-CR meets today's requirements of safe human robot interaction and is the clever choice for demanding Human-Robot interaction.

Intelligent Gripping

Implement high-performance gripping without the need to program your own gripping cycle. The WSG 25-CR provides a built-in gripping controller that utilizes the latest gripping algorithms for high speed part detection and grip monitoring. This ensures a secure handling, even if the parts are difficult to handle using conventional grippers. External position switches or sensors are no longer required, as position sensing is done internally using a high resolution encoder. This simplifies your production process with minimal effort on integration.

Connective

The integrated Ethernet interface makes it easy to connect the

WSG 25-CR to existing networks. For a quick initial startup, the WSG 25-CR provides a user-friendly web-based configuration interface with a built-in documentation and diagnostic functions that can be accessed by any standard web browser. The WSG 25-CR supports both a text-based communication protocol via standard TCP/IP and UDP socket connections as well as an industry standard Modbus/TCP interface.

High Performance and Reliability

The WSG 25-CR is a highly reliable gripping module designed and tested for demanding industrial applications. Stringent quality and endurance testing ensures the high quality of this product.

Turnkey solution

With the WSG 25-CR, Weiss Robotics provides a turnkey solution for Universal Robots' UR-3 and UR-5 robots. The gripper module is controlled directly by the robot controller via the built-in Modbus/TCP interface. Sample projects and ready-to-use gripping functions are included on an auto-installation USB stick to simplify integration into custom applications.

Technical Specifications

| | |
|--------------------------------------|------------------|
| Stroke | 64 mm |
| Gripping force | 5 ... 20 N |
| Max. Finger speed | 300 mm/s |
| Power supply | 24 VDC |
| Power consumption (holding at 20 N) | 8 W typ. |
| Position encoder resolution | 2 μ m |
| Repeatability | 0.03 mm |
| Protection class | IP 20 |
| Operating temperature | 5 ... 50 °C |
| Dimensions (w/o. fingers, L x W x H) | 110 x 70 x 72 mm |
| Total weight | 475 g |

The WSG 25-CR Kit contains

- WSG 25-064 gripper module
- Protective cover with flange adapter CR-CASE-WSG25-UR3
- Power supply and data cable AL-ETH-6P-5M
- Modbus/TCP option with example programs and drivers for UR on USB stick, OPT-WSG-MTP
- Universal finger WSG-F25

Optional Accessories

- Scripting extension OPT-WSG-SCR (software key)
- Application-specific fingers and adapters on request

Dimensions

