Collaborative Parallel Grippers ECG2-25140 2-Finger

ECG is a collaborative 2-finger parallel gripper that is equipped with symmetrically parallel fingers.

- Advantages
 Compact design
- Smooth body with rounded edges ideal for collaborative applications
 Grip control: force and position adjustment
 Quick open/close time with speed adjustment

- Grip feedback and part detection: gripper status can be read at the PLC/Controller and visualized on the unit via LED's
- Plug and play: mechanical and software interface for major cobot manufacturers
 Multiple communication modes: the gripper supports Modbus RTU protocol and IO mode control. Other protocols such as USB and ETHERNET can be implemented through a protocol converter.
 • ROS compatible

- Designed for harsh environments
 Grip actuation via embedded controller.
 Brake locking mechanism.



SPECIFICATIONS

Model	Stroke per Jaw	Gripping Force per Jaw	Total Gripping Force	Opening/ Closing Time	Nominal Voltage	Nominal Current	Max Current	Repeatability (Positioning)	Recommen- ded Workpie- ce Weight*	Weight
ECG2-25140	25 mm 0.98 in	40 - 140 N 8.99 - 31.47 lb	80 - 280 N 17.98 - 62.95 lb	0.6 / 0.6 s	24 V DC ± 10%	0.40 A	1.00 A	± 0.03 mm ± 0.001 in	3.0 kg 6.61 lb	1.00 kg 2.20 lb

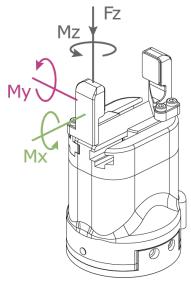
^{*} Recommended workpiece weight depends on the shape of the part, the material and friction of the contact surface and the acceleration of the motion.

Communication Interface Standard: Modbus RTU (RS485), Digital I/O
Optional: TCP/IP, USB2.0, CAN2.0A, PROFINET, EtherCAT

IP Protection Class IP 54

Noise Emission (Sound Pressure) ≤ 40 dB(A) in alle Richtungen
Recommended operating environment 0-40 °C (32-104 °F), < 85% RH

For this type of gripper the use of the standard fingers is recommended.

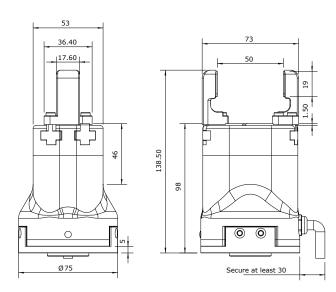


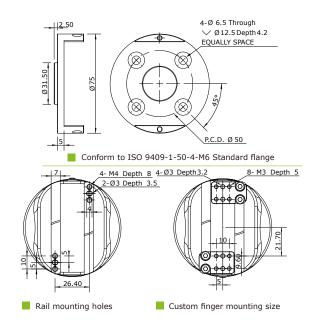
	Allowable vertical load (static)
Fz	300 N (67.44 lb)
	Allowable moment (static)
Mx	7 Nm (61.96 in-lb)
	7 Nm (61.96 in-lb) 7 Nm (61.96 in-lb)



PRODUCT INFORMATION









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