

Electro-Magnetic Parallel Grippers

EMG2-02005 2-Finger

EMG is an electro-magnetic 2-finger parallel gripper that is equipped with symmetrically actuated parallel jaws.

Advantages

- Compact size design with two installation positions for flexible mounting
- Grip actuation via an external control box
- Quick open/close actuation time
- Optional open/close position feedback provided by external proximity sensors.



SPECIFICATIONS

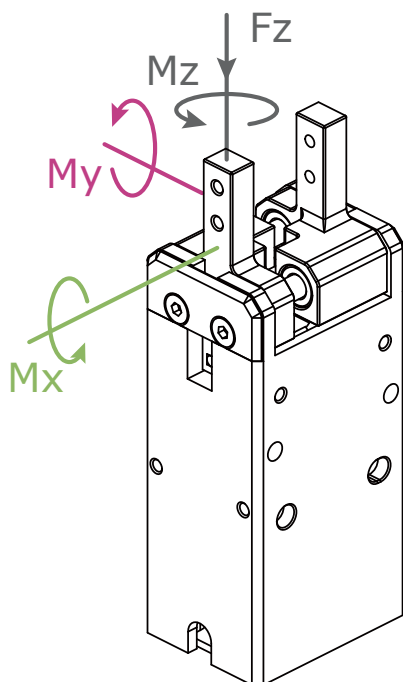
Model	Stroke per Jaw	Gripping Force per Jaw	Total Gripping Force	Opening/Closing Time	Nominal Voltage	Nominal Current	Max Current	Repeatability (Positioning)	Recommended Workpiece Weight	Weight
EMG2-02005	2 mm 0.079 in	3.5 - 5 N 0.79 - 1.12 lb	7 - 10 N 1.57 - 2.25 lb	0.03 / 0.03 s	24 V DC $\pm$ 10%	0.1 A	2.5 A	$\pm$ 0.01 mm $\pm$ 0.0004 in	0.05 kg 0.11 lb	0.20 kg 0.44 lb

Communication Interface **Digital I/O**

IP Protection Class **IP 40**

Noise Emission (Sound Pressure) $\leq$ 40 dB(A) in any direction

Recommended operating environment **0-40 °C (32-104 °F), < 85% RH**



Allowable vertical load (static)

Fz 150 N (33.72 lb)

Allowable moment (static)

Mx 0.62 Nm (5.49 in-lb)

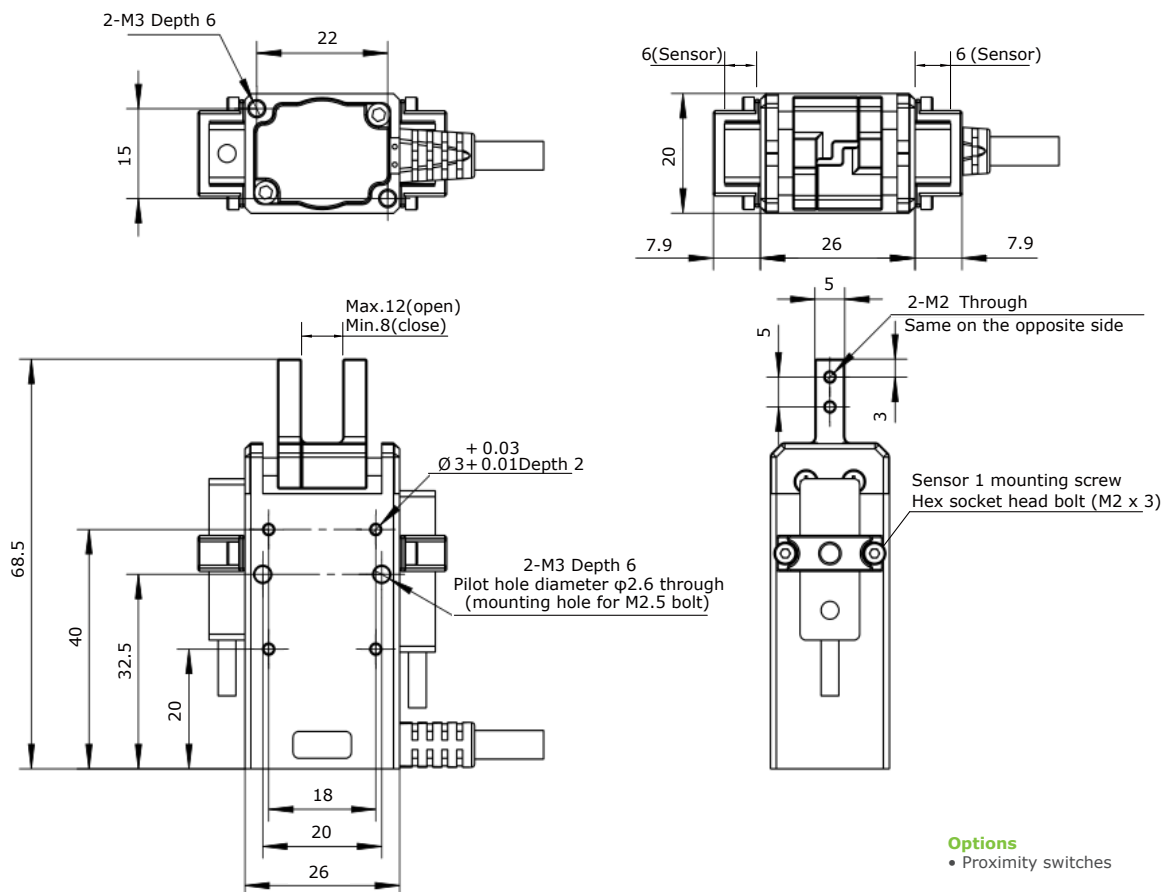
My 0.62 Nm (5.49 in-lb)

Mz 0.62 Nm (5.49 in-lb)

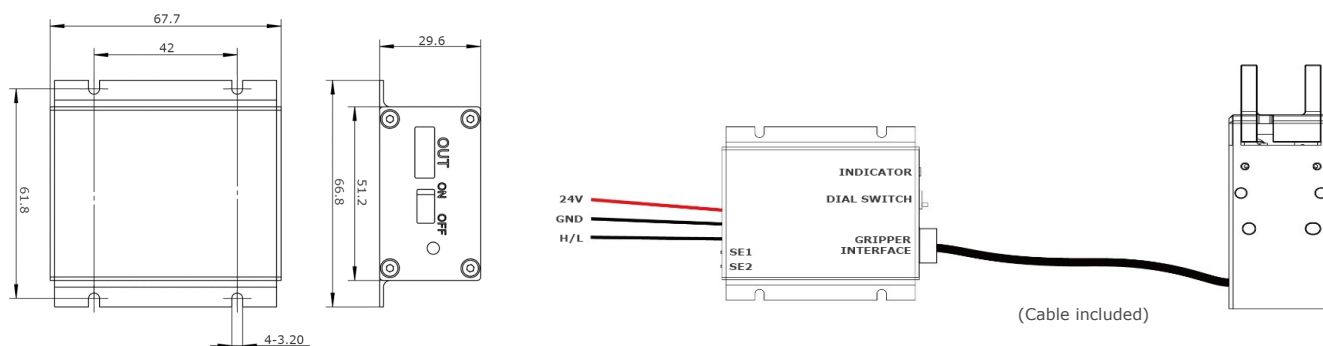
PRODUCT INFORMATION



02.25_Rev.03



CONTROL BOX AND CONNECTION



* Dimensions are in millimeters.

** All dimensions are descriptive and subject to variation for technical upgrading. We reserve the right to make variations without prior notification



Effecto Group S.p.A.

Via Roma, 141/143
28017 San Maurizio d'Opaglio (NO) - IT
Tel. +39 0322 96142
info@effecto.com

Effecto, Inc.

648 Saratoga Road
Glenville, NY 12302 - US
Tel. +1 518 384 1000
info@us.effecto.com

www.effecto.com

Effecto GmbH

Liegnitzer Str. 6
82194 Gröbenzell - DE
Tel. +49 8142 59397 0
info@de.effecto.com