

# PGS Series Miniature Electro-Magnetic Gripper

PGS-5-5

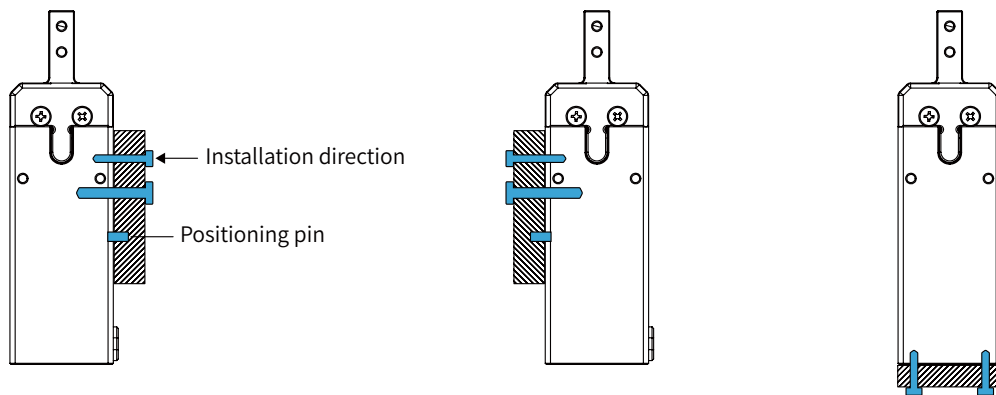


The PGS series is a miniature electro-magnetic gripper with high working frequency. Based on a split design, the PGS series could be applied in space-limited environment with the ultimate compact size and simple configuration.



## Installation

1. Front and rear installation: use front and rear screw holes for installation
2. Bottom installation: use bottom screw holes for installation



## Product Features

### ● Small Size

Compact size with 20×26 mm, it can be deployed in a relatively small environment.

### ● High Frequency

The opening/closing time could reach 0.03s to meet the needs of fast grasping.

### ● Easy to Use

The configuration is simple with the Digital I/O communication protocol.

## Application

High-frequency fast capture, detection, adjustment and other scenarios in 3C electronics, medical automation, semiconductor and other industries.



## Parameters

Product Parameter	
Gripping force (per jaw)	3.5~5 N
Stroke	5 mm
Recommended workpiece weight *	0.05 kg
Opening/Closing time	0.03 s/0.03 s
Repeat accuracy (position)	± 0.01 mm
Noise emission	< 50 dB
Weight	0.2 kg
Driving method	Wedge cam
Size	68.5 mm x 26 mm x 20 mm
Working Environment	
Communication interface	Digital I/O
Rated voltage	24 V DC ± 10%
Rated current	0.1 A
Peak current	3 A
IP class	IP 40
Recommended environment	0~40°C, under 85% RH
Certification	CE, FCC, RoHS
<input type="checkbox"/> Build-in Controller	<input type="checkbox"/> Gripping Force Adjustable
<input type="checkbox"/> Position Adjustable	<input type="checkbox"/> Speed Adjustable
<input checked="" type="checkbox"/> Drop Detection	<input checked="" type="checkbox"/> Self-locking Mechanism



### Vertical Maximum Force

**Fz:** 150 N

### Allowable Moment

**Mx:** 0.62 N · m

**My:** 0.62 N · m

**Mz:** 0.62 N · m

\*It depends on the shape of the grasping object, the material and friction of the contact surface, and the acceleration of the motion, if you have any questions, please contact us.

## Technical Drawings

