

PRODUCT DATASHEET

ES-EG-C00-S006-V001

Robotic End-Effector

Three Finger Centric Electric Grippers | Electric Gripper Platform 06 Series

Product Overview

Robotic End-Effector with gripping Force (Per Side) 20~80 N, finger stroke 10 mm and maximum Recommended Payload 1.5 kg.

Key Specifications

PARAMETER	VALUE	UNIT
Gripping Force (Per Side)	20~80	N
Finger stroke	10	mm
Maximum Recommended Payload	1.5	kg
Position Repeatability	± 0.03	mm
Full-Stroke Open / Close Time	0.5 s/0.5	s
Operating Voltage	24 ± 10%	V DC
Ingress Protection Rating	IP 67	
Weight	1.5	kg
Dimensions	141 x 103 x 75	mm

Technical Specifications

PARAMETER	SPECIFICATION	UNIT
PERFORMANCE		
Gripping Force (Per Side)	20-80	N
Finger stroke	10	mm
Maximum Recommended Payload	1.5	kg
Position Repeatability	± 0.03	mm
Full-Stroke Open / Close Time	0.5 s/0.5	s
Continuous Rated Output Power	12	W
Operating Noise	< 50	dB
Allowable static vertical load Fz	200	N

Technical Specifications

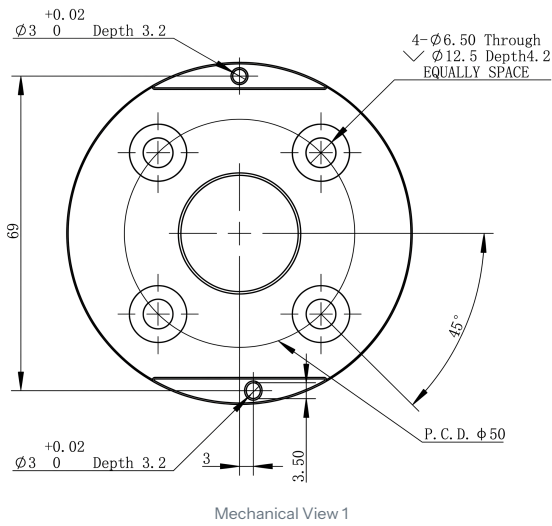
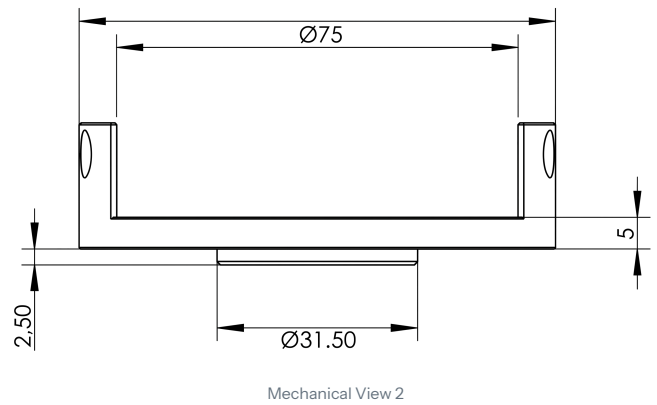
PARAMETER	SPECIFICATION	UNIT
PERFORMANCE		
Allowable Load Moment (My)	2	N·m
Allowable Load Moment (Mx)	2.5	N·m
Allowable Load Moment (Mz)	3	N·m
ELECTRICAL		
Operating Voltage	24 ± 10%	V DC
MECHANICAL		
Weight	1.5	kg
SAFETY		
Ingress Protection Rating	IP 67	
COMPLIANCE		
Compliance Standards	CE, FCC, RoHS	
CONFIGURATION		
Dimensions	141 x 103 x 75	mm

Dimensional & Integration Overview

Mechanical Overview

PARAMETER	VALUE	UNIT
Finger stroke	10	mm
Full-Stroke Open / Close Time	0.5 s/0.5	s
Weight	1.5	kg
Dimensions	141 x 103 x 75	mm

Dimensional Drawings



2D Drawing Dimensions & Callouts

VIEW	FIELD	VALUE
Mechanical View 1	Upper locating hole diameter and depth	Diameter 3 mm, tolerance +0.02/0, depth 3.2 mm
	Four through hole diameter	4 holes, diameter 6.50 mm through
	Recess or countersink diameter and depth	Recess/countersink diameter 12.5 mm, depth 4.2 mm
	Equally spaced hole arrangement	Equally spaced
	Overall outside height	Overall height 69 mm
	Hole angular spacing	45 degrees
	Pitch circle diameter	Pitch circle diameter 50 mm
	Lower locating hole diameter and depth	Diameter 3 mm, tolerance +0.02/0, depth 3.2 mm
	Bottom slot width or spacing	3 mm
	Bottom local height or spacing	3.50 mm
Mechanical View 2	Main body outer diameter	Diameter 75
	End flange/step thickness	Thickness 5
	End offset/step distance	Offset 2.50
	Lower cylindrical shaft/interface diameter	Diameter 31.50

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01 Specifications are subject to change without notice. Verify the current product configuration before final design release.

02 2D drawings, CAD files and integration documentation are controlled documents and are supplied separately on request.