PRODUCT DATASHEET

ES-EG-C00-S009-V002

Robotic End-Effector

Adaptive/angular Grippers | Electric Gripper Platform 09 Series

Product Overview

Robotic End-Effector with total Stroke 95 mm, maximum Recommended Payload 3 kg and position Repeatability ± 0.03 mm.

Key Specifications

PARAMETER	VALUE	UNIT
Total Stroke	95	mm
Maximum Recommended Payload	3	kg
Position Repeatability	± 0.03	mm
Full-Stroke Opening Time	0.9	s
Full-Stroke Closing Time	0.9	s
Operating Voltage	24 ± 10%	V DC
Ingress Protection Rating	IP 54	
Product Mass	1	kg
Peak Current	1.5	A

Technical Specifications

PARAMETER	SPECIFICATION	UNIT
PERFORMANCE		
Total Stroke	95	mm
Maximum Recommended Payload	3	kg
Position Repeatability	± 0.03	mm
Full-Stroke Opening Time	0.9	s
Full-Stroke Closing Time	0.9	s
Continuous Rated Output Power	19.2	W
Operating Noise	< 60	dB
Allowable Load Moment (My)	4.75	N·m
Allowable Load Moment (Mx)	4.75	N·m

Technical Specifications

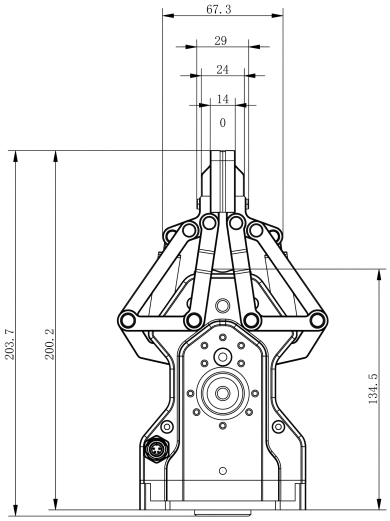
PARAMETER	SPECIFICATION	UNIT
PERFORMANCE		
Allowable Static Vertical Load Fz	300	N
Allowable Load Moment (Mz)	4.75	N·m
ELECTRICAL		
Operating Voltage	24 ± 10%	V DC
Peak Current	1.5	A
Continuous Rated Current	0.8	A
MECHANICAL		
Product Mass	1	kg
Overall Dimensions	184.6 x 162.3 x 67	mm
SAFETY		
Ingress Protection Rating	IP 54	
COMPLIANCE		
Standards Compliance	CE, FCC, RoHS	

Dimensional & Integration Overview

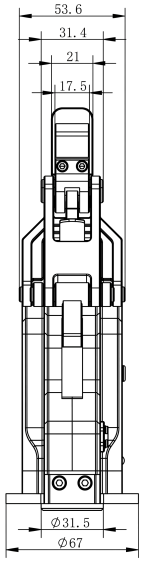
Mechanical Overview

PARAMETER	VALUE	UNIT
Total Stroke	95	mm
Full-Stroke Opening Time	0.9	s
Full-Stroke Closing Time	0.9	s
Product Mass	1	kg
Overall Dimensions	184.6 x 162.3 x 67	mm

Dimensional Drawings



Mechanical View 1



Mechanical View 2

2D Drawing Dimensions & Callouts

VIEW	FIELD	VALUE
Mechanical View 1	Upper maximum width	67.3 mm
	Upper inner width	29 mm
	Upper intermediate width	24 mm
	Upper small width	14 mm
	Center zero offset callout	0 mm
	Left inner height	200.2 mm
	Left overall height	203.7 mm
	Right partial height	134.5 mm
Mechanical View 2	Upper maximum width	Width 53.6 mm
	Upper intermediate width	Width 31.4 mm
	Upper inner width	Width 21 mm
	Upper minimum inner width	Width 17.5 mm
	Bottom inner diameter or circular interface diameter	Diameter 31.5 mm
	Bottom outer diameter or outside envelope diameter	Diameter 67 mm

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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.