

PRODUCT DATASHEET

ES-EG-C00-S009-V001

Robotic End-Effector

Adaptive/angular Grippers | Electric Gripper Platform 09 Series

Product Overview

Robotic End-Effector with total Stroke 145 mm, maximum Recommended Payload 2 kg and position Repeatability ± 0.03 mm.

Key Specifications

PARAMETER	VALUE	UNIT
Total Stroke	145	mm
Maximum Recommended Payload	2	kg
Position Repeatability	± 0.03	mm
Full-Stroke Opening Time	0.9	s
Full-Stroke Closing Time	0.9	s
Operating Voltage	$24 \pm 10\%$	V DC
Ingress Protection Rating	IP 54	
Product Mass	1.3	kg
Peak Current	1.5	A

Technical Specifications

PARAMETER	SPECIFICATION	UNIT
PERFORMANCE		
Total Stroke	145	mm
Maximum Recommended Payload	2	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)	1.95	N·m
Allowable Load Moment (Mx)	1.95	N·m

Technical Specifications

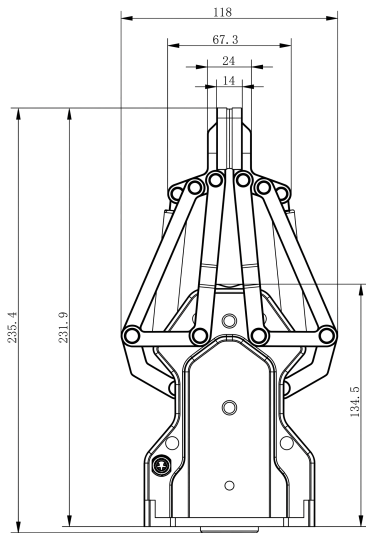
PARAMETER	SPECIFICATION	UNIT
PERFORMANCE		
Allowable Static Vertical Load Fz	300	N
Allowable Load Moment (Mz)	1.95	N·m
ELECTRICAL		
Operating Voltage	24 ± 10%	V DC
Peak Current	1.5	A
Continuous Rated Current	0.8	A
MECHANICAL		
Product Mass	1.3	kg
Overall Dimensions	203.9 x 212.3 x 67	mm
SAFETY		
Ingress Protection Rating	IP 54	
COMPLIANCE		
Standards Compliance	CE, FCC, RoHS	

Dimensional & Integration Overview

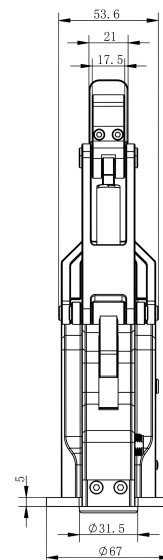
Mechanical Overview

PARAMETER	VALUE	UNIT
Total Stroke	145	mm
Full-Stroke Opening Time	0.9	s
Full-Stroke Closing Time	0.9	s
Product Mass	1.3	kg
Overall Dimensions	203.9 x 212.3 x 67	mm

Dimensional Drawings



Mechanical View 1



Mechanical View 2

2D Drawing Dimensions & Callouts

VIEW	FIELD	VALUE
Mechanical View 1	Upper overall width	118 mm
	Upper inner width	67.3 mm
	Overall height	235.4 mm
	Main body height	231.9 mm
	Right lower height	134.5 mm
Mechanical View 2	Upper outside width	Width 53.6 mm
	Bottom step height	Height 5 mm
	Bottom mounting diameter	Diameter 31.5 mm
	Bottom outside 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.