

PRODUCT DATASHEET

ES-LA-C00-S004-V001

Precision Linear Motion Assembly

Micro Servo Electric Cylinder | Electric Actuator Platform 04 Series

Product Overview

Precision Linear Motion Assembly with communication Interface RS485, mechanical Interface Threaded interface and cable Diameter 2.3 mm.

Key Specifications

PARAMETER	VALUE	UNIT
Communication Interface	RS485	
Mechanical Interface	Threaded interface	
Cable Diameter	2.3	mm
Cable Length	400	mm
Full-load Speed	5	mm/s
Ingress Protection Rating	IP40	
Maximum Push/Pull Force	150	N
Maximum Self-locking Force	70	N
No-load Current	0.4	A

Technical Specifications

PARAMETER	SPECIFICATION	UNIT
PERFORMANCE		
Full-load Speed	5	mm/s
Maximum Push/Pull Force	150	N
Maximum Self-locking Force	70	N
Repeat Positioning Accuracy	± 0.01	mm
Stall Push/Pull Force	200	N
ELECTRICAL		
Communication Interface	RS485	
No-load Current	0.4	A
Peak Current	2	A
Static Current	0.05	A
Operating Voltage	$12 \pm 10\%$	V

Technical Specifications

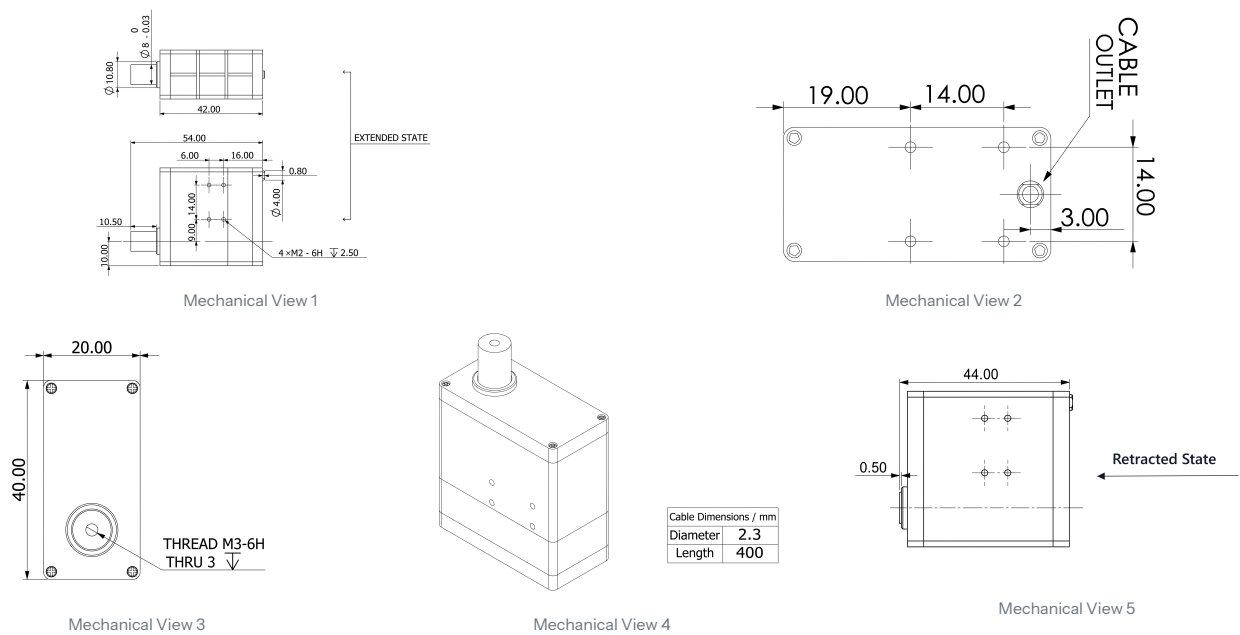
PARAMETER	SPECIFICATION	UNIT
MECHANICAL		
Cable Diameter	2.3	mm
Cable Length	400	mm
Stroke	10	mm
Weight	87	g
INTERFACES		
Mechanical Interface	Threaded interface	
ENVIRONMENTAL		
Operating Temperature	-10 to +60	°C
SAFETY		
Ingress Protection Rating	IP40	
ADDITIONAL SPECIFICATIONS		
No-load Speed	8	mm/s
Protection Rating	IP40	

Dimensional & Integration Overview

Mechanical Overview

PARAMETER	VALUE	UNIT
Cable Diameter	2.3	mm
Cable Length	400	mm
Stroke	10	mm
Weight	87	g

Dimensional Drawings



2D Drawing Dimensions & Callouts

VIEW	FIELD	VALUE
Mechanical View 1	Shaft diameter with tolerance	Diameter 8.00 mm, upper deviation 0 mm, lower deviation -0.03 mm
	Shaft shoulder diameter	Diameter 10.80 mm
	Body length	42.00 mm
	Extended state label	Extended state
	Extended-state overall length	54.00 mm
	Mounting hole horizontal offset 1	6.00 mm
	Mounting hole horizontal offset 2	16.00 mm
	Hole diameter	Diameter 4.00 mm
	Mounting hole vertical pitch 1	14.00 mm
	Mounting hole vertical pitch 2	9.00 mm
	Shaft extension length	10.50 mm
	Lower vertical envelope dimension	10.00 mm
	Threaded hole specification and depth	4 threaded holes, M2-6H, depth 2.50 mm
Mechanical View 2	Mounting hole vertical spacing	19.00 mm
	Upper horizontal spacing	14.00 mm
	Upper vertical spacing	
Mechanical View 3	Mounting face width	20.00 mm
	Mounting face height	40.00 mm

2D Drawing Dimensions & Callouts

VIEW	FIELD	VALUE
Mechanical View 5	Overall length in retracted state	44.00 mm
	Retracted state label	Retracted State

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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.