SANMOTION F2 2-PHASE STEPPING SYSTEMS

Stepping Motor with Lead Screw





Application

Medical instumentation, syringe pumps, 3D printing machine



Features

Recommended max. Load 80N Max. Speed 200mm/s

Standard Stroke 94mm

Max. Stroke 250mm

Downsizing and simplification of design and assembly

This product incorporates a leadscrew inside the stepping motor to make it compact. This allows equipment size to be reduced.

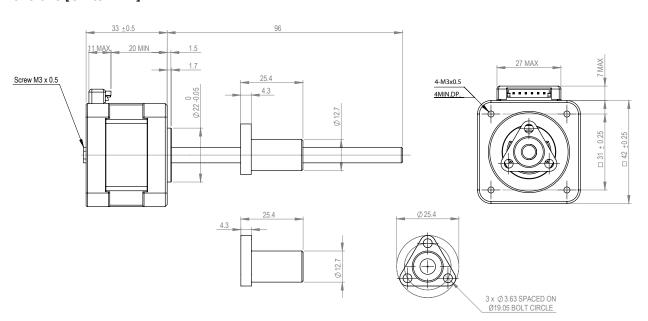
Easy Linear Motion Control

The stepping motor technology allows an easy and accurate control of the position, according to the number of pulses received by the driver.

High Construction Flexibility

Thanks to several choices of motors, screws and nuts this solution suits the best for your requirements. Customized products are available on request.

Dimensions [Units: mm]



Specifications

1.8°/Step Bipolar winding

Sandard Models (others on request)	Max. Force [N]	Recommended load limit [N]	Max. Speed - half step [mm/s]	Resolution [µm/ full step]	Stroke [mm]	Rated current [A/phase]	Winding resistance [Ω/phase]	Winding inductance [mH/phase]	Optional motor cable [500 mm]
2S4233B100-0094-N000	600	80	75	7.95	94	1	3.4	6.5	4835728-1
2S4233B100-0094-X000	225	80	300	31.75	94				

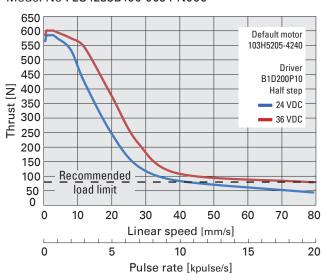
	Material	Coating	Accuracy [mm/mm]
Leadscrew	Stainless Steel 303	TFE	better then 0,0006

	Material
Nut	Polyacetal with lubrification

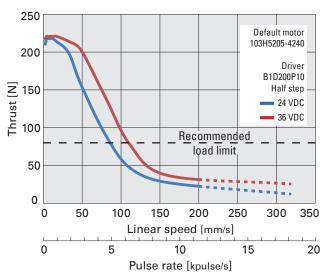
Please consult us for customized models.

■ Thrust [N] - Speed [mm/s] curves, 100% duty cycle

Model No: 2S4233B100-0094-N000



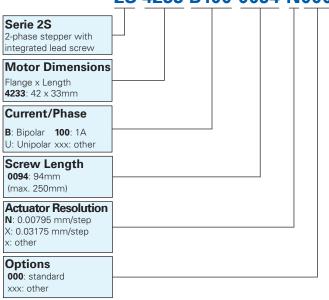
Model No: 2S4233B100-0094-N000



Caution: The data are only for reference and may vary depending on the application and nut. Please consult our technical center for more details.

Part Numbers

2S 4233 B100-0094-N000



Customization

We offer fully customizable products to meet your exact needs. In order to define the proper solution, please fill in our dedicated application sheet «MC_160222».

Among requested information, here is a list of basic requirements:

What is the required FORCE ?		N
What is the LINEAR SPEED ?		mm/s
What is the STEP INCREMENT?		mm/step
What is the length of STROKE ? (max. 250mm)	L =	mm
Winding and current per phase ?	☐ Bipolar ☐ Unipolar	A/phase
Requested LIFE TIME ?		cycles

CUSTOMIZED SOLUTIONS

2-Phase Stepping Motor with Lead Screw





■ Information		App	lication	n Da	ata She	et				
Name					Title/Dept.					
Company Name										
Address										
Phone					Fax					
Email										
Application Red	quire	ments								
What is the required FOR	CE ?		N				No nut			
What is the LINEAR SPEE	AR SPEED ? mm/s				Standard nut - without					
What is the STEP INCREMENT ?			mm/step			«anti-backlash» function, POM				
What is the DUTY CYCLE?		[%]		NUT	IT quirements ?	3x Ø3.63.SP Ø19.05.BOLT				
							Other (please specify below) with «anti-backlash» function without «anti-backlash» function			
		—	Ma			Material				
What is the MOTION ?		Vertical								
What is the MOUNTING DIRECTION ?					Dime	Dimensions Please provide drawing the nut			ring of	
				Red	Requested LIFE TIME ?				сус	eles
		L=	mm	2. EI	ectrical Data					
What is the length of STR (max. 250mm)	OKE?	?		Cur	rent per phase	А	/phase	Driver Voltage		VDC
			Motor coils ?						olar	
				3. Eı	nvironmental l	Data			I	
END MACHINING requirement ?	Cut to Length Only		OP	OPERATING TEMPERATURE ?				0	С	
	Other (please specify)			4. Sales Data					I	
				Quantity Required					per lot	
			Tar	Target Price					€	
Lead screw ACCURACY?			mm/mm	Sar	mples Required				un	its
Lead Screw COATING ?		□ No □	TFE	Ma	Mass Production Schedule				dd/mm/yy	
5. Additional Informatio	n	,			ubmit your req					
					ase send back t		ur sales r	epresentative	or contact	us at:
					mpany: EAO L one: 01444 2					

E-mail:

sales.euk@eao.com