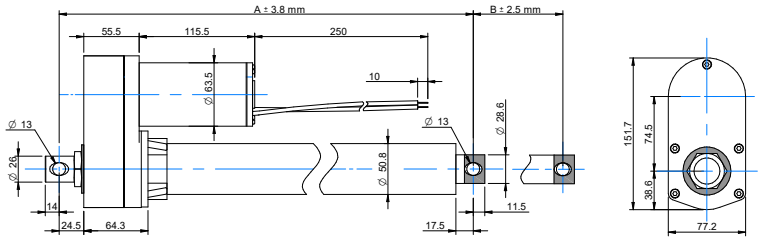
DMA SERIES | 102 - 610 mm | BALL SCREW

DRAWING (mm)



PHOTO

MODEL NO. DESIGNATION

DMA	-	VOLTAGE	-	REDUCTION	-	B	-	STROKE	-	IP65

Example: DMA-12-20-B-305-IP65

OPTIONS MOUNTING BRACKET

● C = customizations are offered on demand even for smaller quantities. Typical customizations are indicated with a green dot at column end. Please contact us for any customization request.

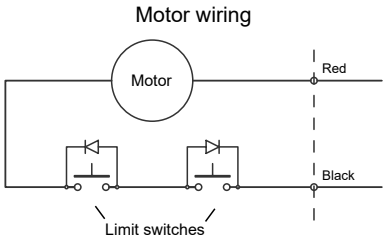
ACTUATOR DATA

							C
Reduction		5	10	20	30	40	●
Voltage	V	12 | 24	12 | 24	12 | 24	12 | 24	12 | 24	
Current at nominal dynamic load	A	28 | 14	18 | 9	13 | 7	13 | 7	11 | 5.5	
Nominal dynamic load	N	2600	3500	4500	6000	7000	
Max. static load	N	14000	14000	14000	14000	14000	
Speed at nominal dynamic load	mm/s	47	27	14	9.8	7.4	
Speed at no load	mm/s	67	34	17	11	8.4	

ACTUATOR STROKE DATA

								C
Stroke length B	mm	102	153	203	305	457	610	●
Retracted length A	mm	302	353	404	506	735	888	
Life time number single strokes		39000	26000	20000	13000	8700	6500	
Weight	kg	4.3	4.6	4.9	5.4	6.2	7.8	

WIRING DIAGRAMS

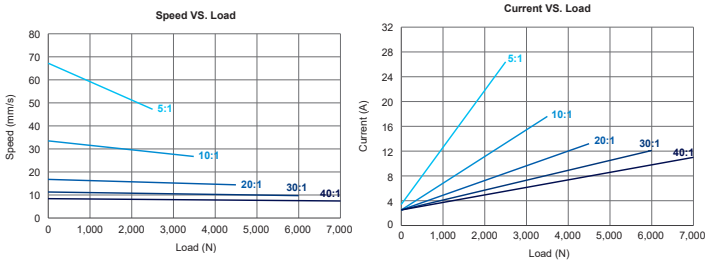


	Red	Black
Extend	+	-
Retract	-	+

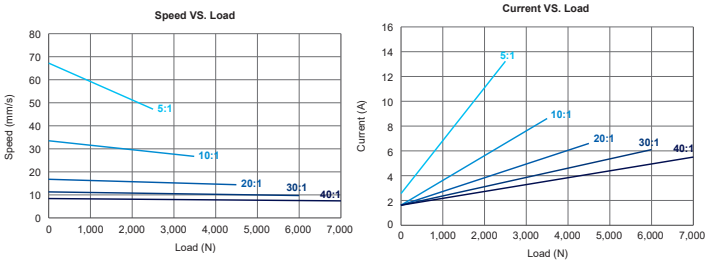
ACTUATOR FEATURES

			C
Type		Electric linear actuator	
Motor type		Brush PM DC motor	
Cable type		Flying wire (3+2 wires)	●
Cable length	mm	250	●
Voltage	V	12 | 24	●
Screw type		Ball screw	
Noise level	dB(A)	≤ 70	
Life time		4 million mm total stroke	
Limit switches		No	
Overload protection		By clutch	
Direction movement		By reversing voltage polarity	
Stroke tolerance	mm	± 2.5	
Duty cycle	%	25	
Max. duty operational time	s	120 nominal dynamic load	
IP rating		IP65	
Insulation class		F	
Max. motor winding temp.	°C	155	
EMC		EN55014 IEC61000	
Gear box		Metal spur gears	
Gear box material		Aluminum alloy	
Rod and house material		Steel 12L14 STKM11A	
Feedback options		Potentiometer	
Operating and storage temperature	°C	-26 to 65	●
Manufacturing quality standards		ISO 9001:2008	
General actuator tolerance	%	± 15	

MOTOR GRAPHS 12 V



MOTOR GRAPHS 24 V



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