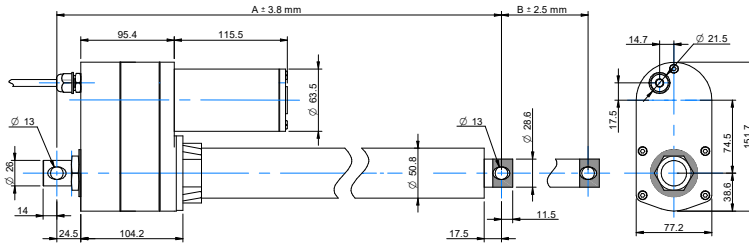


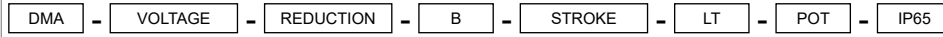
DRAWING (mm)



PHOTO



MODEL NO. DESIGNATION



Example: DMA-12-20-B-305-LT-POT-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

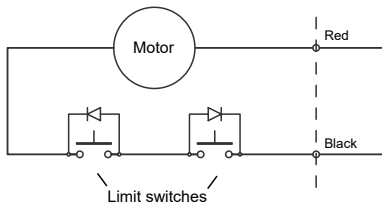
Reduction		5	10	20	30	40	C
Voltage	V	12 24	12 24	12 24	12 24	12 24	
Current at nominal dynamic load	A	28 14	18 9	13 7	13 7	11 5.5	
Nominal dynamic load	N	2600	3500	4500	6000	7000	
Max. static load	N	14000	14000	14000	14000	14000	
Speed at nominal dynamic load	mm/s	47	27	14	9.8	7.4	
Speed at no load	mm/s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

ACTUATOR STROKE DATA C

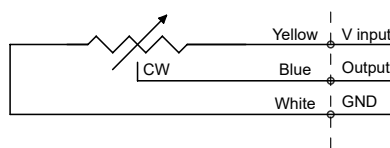
Stroke length B	mm	102	153	203	305	457	610	C
Retracted length A	mm	399	450	501	680	832	985	
Feedback	Ω/mm	100	67	50	33	22	17	
Life time number single strokes		39000	26000	20000	13000	8700	6500	
Weight	kg	4.3	4.6	4.9	5.4	6.2	7.8	

WIRING DIAGRAMS

Motor wiring



Potentiometer wiring



	Red	Black
Extend	+	-
Retract	-	+

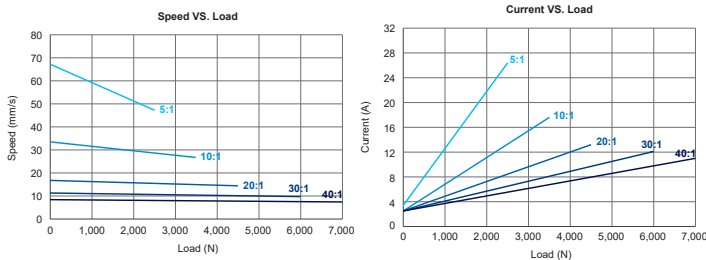
ACTUATOR FEATURES C

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		Yes
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		Potentiometer
Operating and storage temperature	°C	-26 to 65 ●
Manufacturing quality standards		ISO 9001:2008
General actuator tolerance	%	± 15

POTENTIOMETER DATA C

Potentiometer type	Wire wound	
Resistance	kΩ	0.3 - 9.7
Resolution	%	0.025
Resistance tolerance	%	± 5
Linearity	%	± 0.25

MOTOR GRAPHS 12 V



MOTOR GRAPHS 24 V

