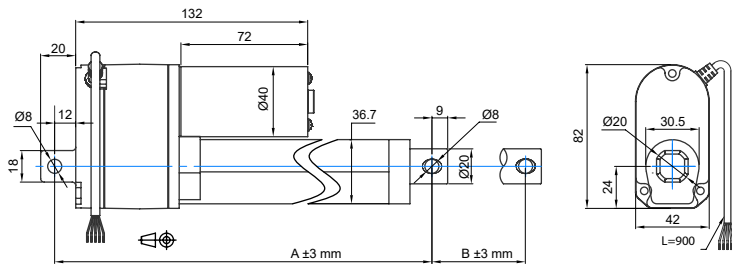


DLA Series / 50 - 300mm / 150 - 1000N / potentiometer (POT)

DRAWING
(mm)



PHOTO



MODEL NO. DESIGNATION



Example: DLA-12-5-A-50-POT-IP65

ACTUATOR DATA

	5	10	20	30	40
Reduction	5	10	20	30	40
Voltage (VDC)	12/24	12/24	12/24	12/24	12/24
Current at nominal dynamic load (A)	2.0/1.0	2.4/1.2	2.6/1.3	2.9/1.5	2.8/1.4
Nominal dynamic load (N)	150	250	500	800	1000
Max. static load (N)	1500	1500	1500	1500	1500
Speed at nominal dynamic load (mm/s)	36.5	23.5	12.3	7.5	5.5

ACTUATOR STROKE DATA

	50	100	150	200	250	300
Stroke length B (mm)	50	100	150	200	250	300
Retracted length A (mm)	195	246	297	348	399	450
Resistance (kΩ)	0.3-9.3	0.3-9.7	0.3-8.6	0.3-9.6	0.3-9.3	0.3-9.3
Feedback (Ω/mm)	180	95	55	46	36	30
Life time number single strokes	80.000	40.000	26.666	20.000	16.000	13.333
Weight (kg)	1.110	1.175	1.250	1.315	1.385	1.455

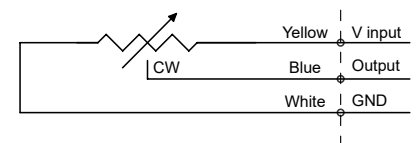
ACTUATOR FEATURES AND STANDARD DATA

	STANDARD	CUSTOMIZATION OPTIONS
Type	Electric linear actuator	
Motor type	Brush PM DC motor	
Cable	Flying wire 900 mm	Length, type and connector
Voltage	12 or 24 VDC	36 or 48 VDC
Screw type	ACME pitch 3 mm	
Noise level	< 70 dB (A)	Yes
Life time	4 million mm total stroke	
Limit switches	Integrated non adjustable	Stroke length
Direction movement	By reversing voltage polarity	Yes
Stroke tolerance	±3 mm	±2 mm
Duty cycle	25%	
Max. duty operational time	1 min. nominal dynamic load	
Protection class	IP65	
Insulation class	F	
Max. motor winding temp.	155 °C	
EMC	EN55014 IEC61000	
Gear box	Metal spur gears	
Motor pinion gear	Plastic	Metal
Gear box material	Zinc alloy	
Rod and house material	Aluminum STKM11A	
Feedback	Potentiometer	
Operating and storage temperature	-26°C~+65°C	
Manufacturing quality standards	ISO 9001:2008	
RoHS compliance	Yes	
CE label	Yes	

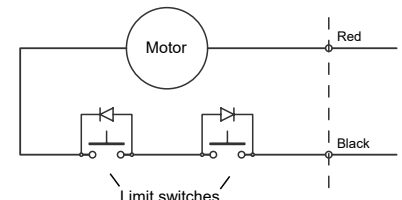
POTENTIOMETER FEATURES AND DATA

Type	Wire wound
Resistance	0.3 - 9.7 kΩ
Resolution	0.025%
Resistance tolerance	±5%
Linearity	±0.25%
Cable	3+2 wires flying wire

Potentiometer wiring



Motor wiring



	Red	Black
Extend	+	-
Retract	-	+