

Electric linear actuators and accessories
General catalogue



DLA NO SENSOR MINIATURE LINEAR DC ACTUATORS

Small lightweight dc motor actuators with ACME lead screws and integrated built in preset micro switches for end stop. The actuators also have an internal diode wiring which enables the change of direction by simply reversing the applied voltage polarity. In case of adjusting the stroke length customized actuators are available. The integral limit switches are not made to be adjustable. Speed and force can be reduced by lowering the applied voltage and overload can be protected by limiting the current to the actuator. Absolute or incremental position feedback is possible using the potentiometer or hall sensor models. Transformers and hand set controls are also available. See separate data sheets.

ADDITIONAL DATA

- Integrated preset limit switches
- Protection IP65
- 12 or 24 VDC
- Aluminium outer tube and stroke rod
- Zinc alloy housing
- Operating temperature -26°C~+65°C
- Options: Potentiometer, hall sensors, controllers

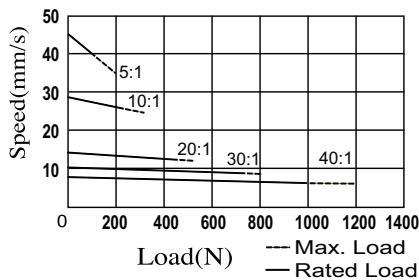
MODEL NO. DESIGNATIONS

DLA	12	20	A	200	IP65
Type	Voltage	Gear Ratio (Exact)		ACME	Stroke
	12V DC	5:1	6.8:1	(screw standard)	50mm
	24V DC	10:1	10.9:1		100mm
		20:1	20.6:1		150mm
		30:1	31.7:1		200mm
		40:1	42.8:1		250mm
					300mm
					Sensor
					IP65: No Sensor
					IP65: Hall Effect Sensor X2
					IP65: Potentiometer Sensor

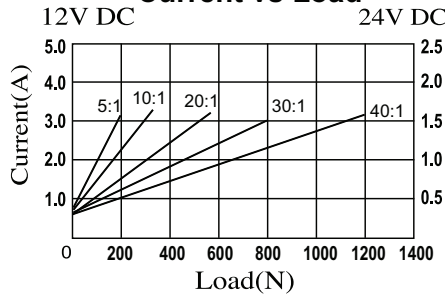


DIAGRAM

Speed vs Load



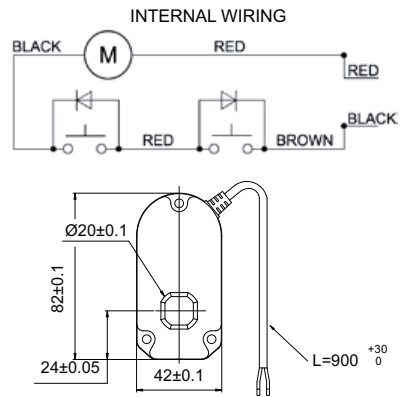
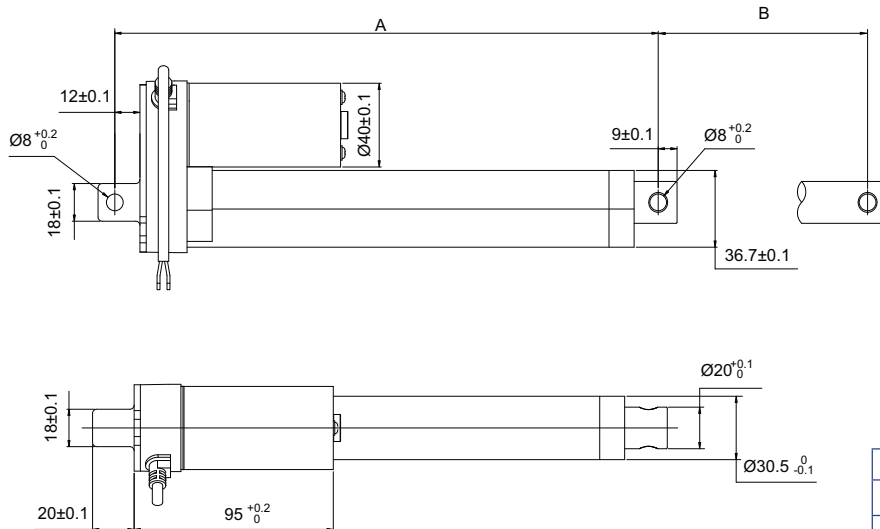
Current vs Load



ADDITIONAL DATA

- Load force up to 1000 N
- Duty cycle 25% (25% on / 75% off time)
- Static force 2300N

APPEARANCE SIZE



B (Stroke ±3 mm)	50	100	150	200	250	300
A (Retracted ±3 mm)	158	209	260	311	362	413
Weight (kg)	0.9	1.0	1.1	1.2	1.25	1.35

DLA HALL MINIATURE LINEAR DC ACTUATORS

Small lightweight dc motor actuators with ACME lead screws and integrated built in preset micro switches for end stop. The actuators also have an internal diode wiring which enables the change of direction by simply reversing the applied voltage polarity. In case of adjusting the stroke length customized actuators are available. The integral limit switches are not made to be adjustable. Speed and force can be reduced by lowering the applied voltage and overload can be protected by limiting the current to the actuator. Absolute or incremental position feedback is possible using the potentiometer or hall sensor models. Transformers and hand set controls are also available. See separate data sheets.

ADDITIONAL DATA

- Integrated preset limit switches
- Protection IP65
- 12 or 24 VDC
- Aluminium outer tube and stroke rod
- Zinc alloy housing
- Operating temperature -26°C~+65°C
- Options: Potentiometer, hall sensors, controllers

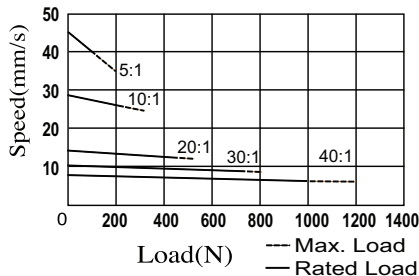
MODEL NO. DESIGNATIONS

DLA	12	20	A	200	IP65
Type	Voltage	Gear Ratio (Exact)	ACME	Stroke	Sensor
	12V DC	5:1 6.8:1	(screw standard)	50mm	IP65: No Sensor
	24V DC	10:1 10.9:1		100mm	IP65: Hall Effect Sensor X2
		20:1 20.6:1		150mm	IP65: Potentiometer Sensor
		30:1 31.7:1		200mm	
		40:1 42.8:1		250mm	
				300mm	

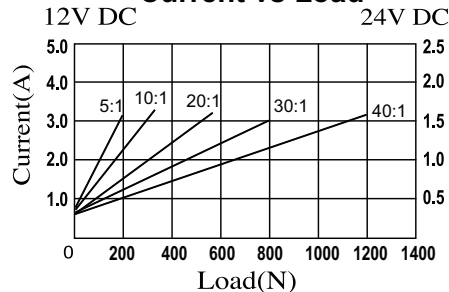


DIAGRAM

Speed vs Load

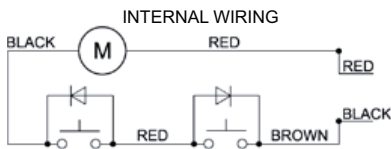
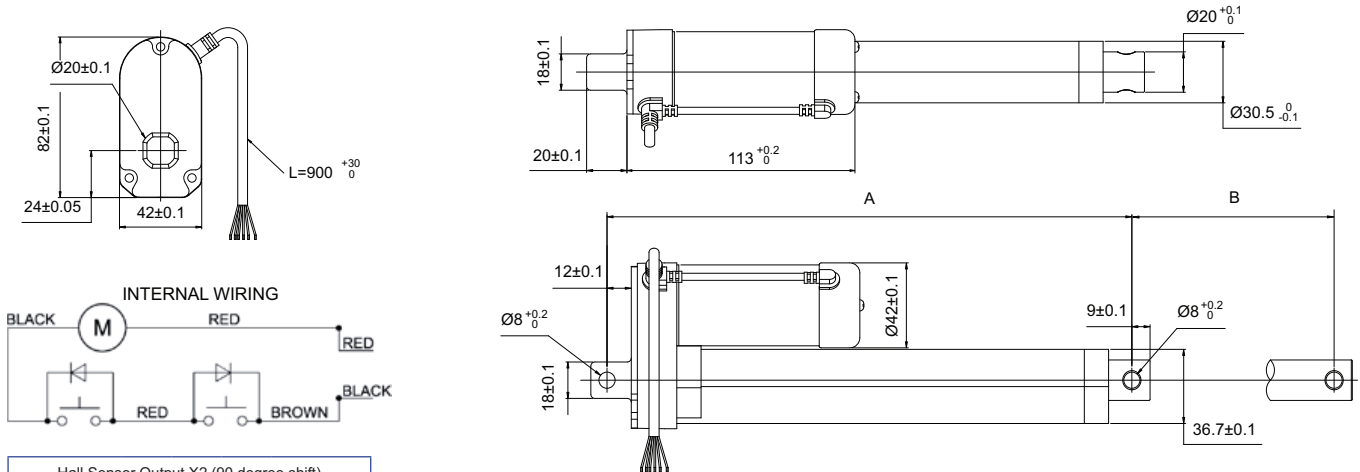


Current vs Load



- Load force up to 1000 N
- Duty cycle 25% (25% on / 75% off time)
- Static force 2300N

APPEARANCE SIZE



Hall Sensor Output X2 (90 degree shift)					
Anachip ATS177					
Gear ratio	5:1	10:1	20:1	30:1	40:1
Pulses/mm	2.3	3.6	6.9	10.6	14.3

HALL SENSOR WIRING			
H1	H2	VCC	GROUND
BLUE	GREEN	YELLOW	WHITE

B (Stroke ±3 mm)	50	100	150	200	250	300
A (Retracted ±3 mm)	158	209	260	311	362	413
Weight (kg)	0.9	1.0	1.1	1.2	1.25	1.35

DLA POT MINIATURE LINEAR DC ACTUATORS

Small lightweight dc motor actuators with ACME lead screws and integrated built in preset micro switches for end stop. The actuators also have an internal diode wiring which enables the change of direction by simply reversing the applied voltage polarity. In case of adjusting the stroke length customized actuators are available. The integral limit switches are not made to be adjustable. Speed and force can be reduced by lowering the applied voltage and overload can be protected by limiting the current to the actuator. Absolute or incremental position feedback is possible using the potentiometer or hall sensor models. Transformers and hand set controls are also available. See separate data sheets.

ADDITIONAL DATA

- Integrated preset limit switches
- Protection IP65
- 12 or 24 VDC
- Aluminium outer tube and stroke rod
- Zinc alloy housing
- Operating temperature -26°C~+65°C
- Options: Potentiometer, hall sensors, controllers

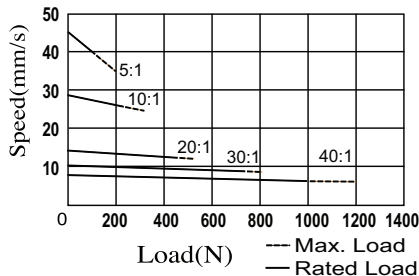
MODEL NO. DESIGNATIONS

DLA	12	20	A	200	IP65
Type	Voltage	Gear Ratio (Exact)	ACME	Stroke	Sensor
	12V DC	5:1 6.8:1	(screw standard)	50mm	IP65: No Sensor
	24V DC	10:1 10.9:1		100mm	IP65: Hall Effect Sensor X2
		20:1 20.6:1		150mm	IP65: Potentiometer Sensor
		30:1 31.7:1		200mm	
		40:1 42.8:1		250mm	
				300mm	

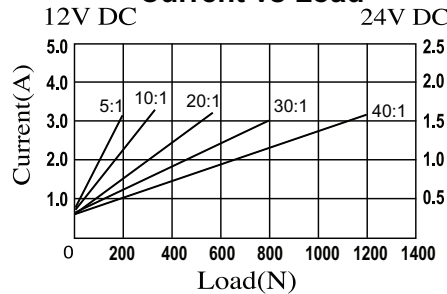


DIAGRAM

Speed vs Load



Current vs Load



- Load force up to 1000 N
- Duty cycle 25% (25% on / 75% off time)
- Static force 2300N

APPEARANCE SIZE

RETRACT EXTEND

BLUE WHITE YELLOW

OK CW 10K

B (Stroke ±3 mm)	50	100	150	200	250	300
A (Retracted ±3 mm)	195	246	297	348	399	450
Pot (Ohm/mm)	94.4	94.4	47.2	47.2	15.72	15.72
Weight (kg)	1.14	1.23	1.31	1.41	1.47	1.56