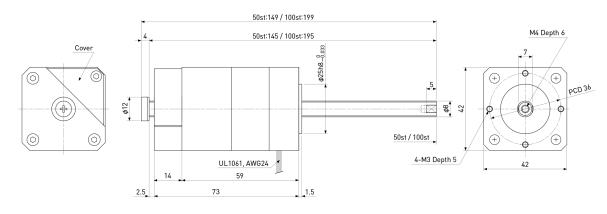


PBACL42

Non-Captive Linear Actuator



Moto	r lead wire (310r	nm)
Α	Black	
Ā	Green	
В	Red	
B	Blue	

Specifications

Specification	PBACL42-G02	PBACL42-G05	PBACL42-R02	PBACL42-R05	PBACL42-Re02	PBACL42-Re05	
Motor Frame Size (mm)	42 (NEMA 17)						
Drive Screw Type	Precision B	all Screw	Rolled Ba	all Screw	Resin Lead Screw		
Screw Lead	2mm	5mm	2mm	5mm	2mm	5mm	
Travel 50mm/100mm							
Repeatability	±0.005mm ±0.010mm		±0.030mm				
Lost Motion	0.010	0.010mm 0.020mm		0.060mm			
Maximum Speed	40mm/sec	100mm/sec	40mm/sec	100mm/sec	20mm/sec	50mm/sec	
Accel/Decel Time	Min. 0.2 sec				Min. 0.4 sec		
Thrust Force	80N	30N	80N	30N	20N	10N	
Mass	Travel 50mm : 530g Travel 100mm : 550g				Travel 50mm : 490g Travel 100mm : 510g		
Operating Temperature	0 ~ 40°C (no condensation)						

Motor Specification	PBACL42-G02	PBACL42-G05	PBACL42-R02	PBACL42-R05	PBACL42-Re02	PBACL42-Re05	
Driving Method	2-phase bi-polar						
Rated Voltage	2.5V (DC)						
Rated Current	1.2A/phase						
Winding Resistance	2.1Ω						
Insulation Class	Class B (130°C)						

Precautions:

- CL type (non-captive type) does not have an anti-rotating device. External anti-rotating device should be set up during use.

- Specifications above are reference value measured in vertical position at virgin condition.

- Sensor is not built in this standard design

Part Numbering

PBA	CL	42	G	02	040
1	2	3	4	5	6

- 1: Series Designation (PBA) 2: Cylinder type CL: Non-Captive Type AR: Captive Type
- 3: Motor frame size (mm) 4: Drive screw type G: Precision Ball Screw R: Rolled Ball Screw Re: Resin Lead Screw
- 5: Screw Lead 02: 2mm 05: 5mm 6: Travel, mm 050: 50mm 100: 100mm