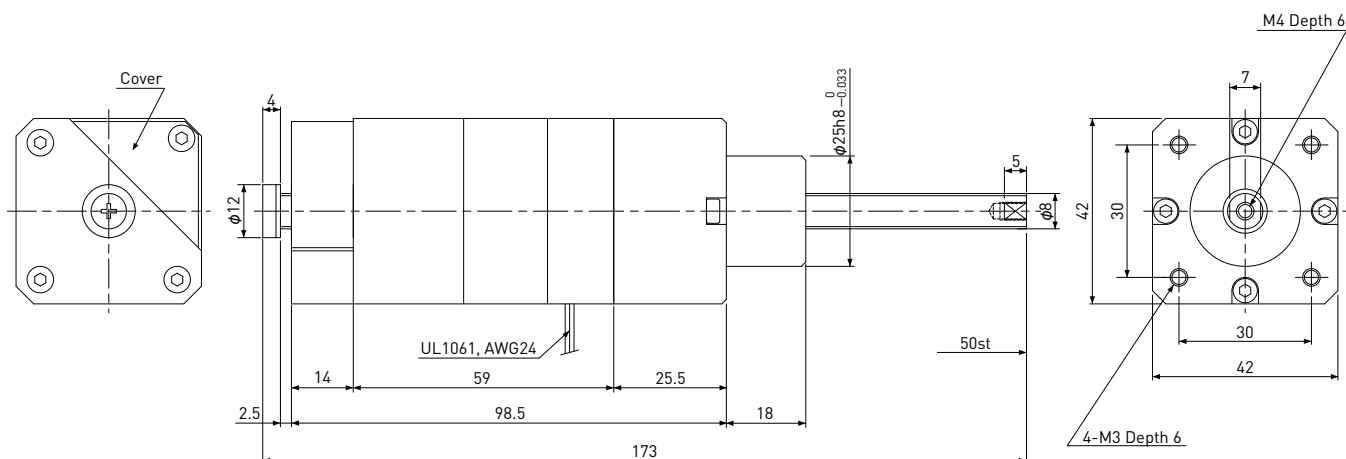


Anti-rotating device built-in model

**DDAAR □42 / NEMA 17**Shaft dia.  $\phi 8$ 

Linear Actuator Captive, Non-Captive type



## Motor lead wire

A	Black
$\bar{A}$	Green
B	Red
$\bar{B}$	Blue

UL1061, AWG24 (310mm)

Recommended Drivers

SD4030B3

Note) Refer to page P164 for connection diagram of recommended Drivers.

	Specifications	
	DDAAR42-G02 050	DDAAR42-G05 050
Drive Screw type	Precision Ball Screw	
Screw lead	2mm	5mm
Travel	50mm	
Repeatability	$\pm 0.005\text{mm}$	
Lost Motion	0.010mm	
Permissible Speed	40mm/sec	100mm/sec
Acceleration & deceleration time	Min. 0.2sec	
Thrust Force	80N	30N
Mass	660g	

Motor Specifications	
Basic step angle	1.8°
Driving method	2-phase Bi-polar
Rated Voltage	DC 2.5 V
Rated current	1.2 A/phase
Winding resistance	2.1 $\Omega$
Winding inductance	4.0mH
Insulation Class	Class B (130°C)
Operating Temperature	0~40°C (No Condensation)

## Precautions

- Radial load can not be applied on Captive type.  
For more detail, please see page S105.
- Specifications above are reference value measured in vertical position at virgin condition.
- Sensor is not built in this standard design. Please ask KSS if necessary