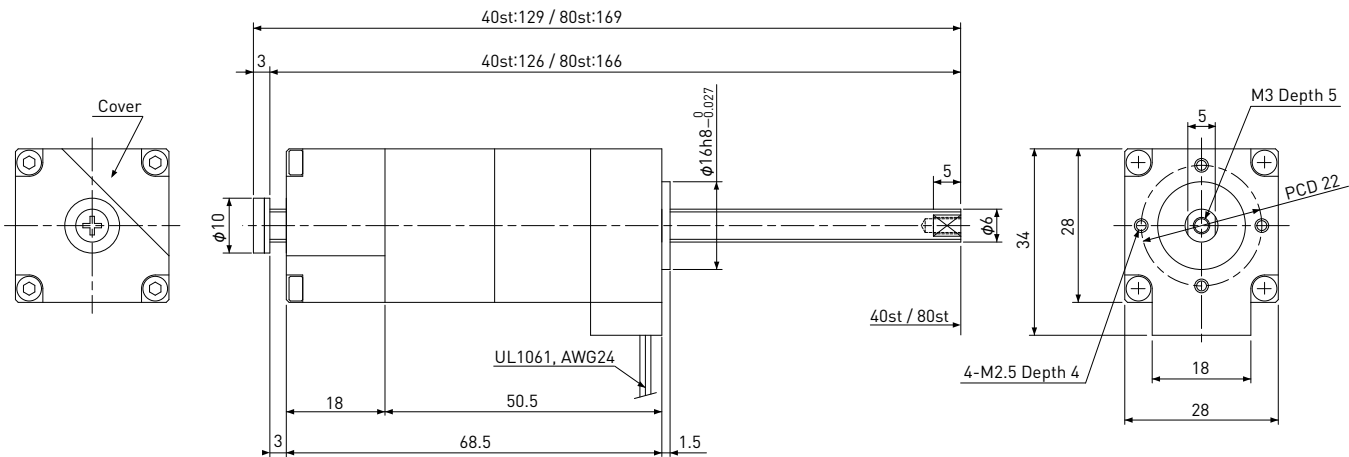


# DDACL □28 / NEMA 11

Shaft dia.  $\phi 6$



Motor lead wire	
A	Black
$\bar{A}$	Green
B	Red
$\bar{B}$	Blue

UL1061, AWG24(310mm)

Recommended Drivers	SD4030B3
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Note) Refer to page P164 for connection diagram of recommended Drivers.

Specifications				
	DDACL28-G01 040/080	DDACL28-G02 040/080	DDACL28-R01 040/080	DDACL28-R02 040/080
Drive Screw type	Precision Ball Screw		Rolled Ball Screw	
Screw lead	1mm	2mm	1mm	2mm
Travel	40mm / 80mm		40mm / 80mm	
Repeatability	$\pm 0.005\text{mm}$		$\pm 0.010\text{mm}$	
Lost Motion	0.010mm		0.020mm	
Permissible Speed	20mm/sec	40mm/sec	20mm/sec	40mm/sec
Acceleration & deceleration time	Min. 0.2sec		Min. 0.2sec	
Thrust Force	50N	25N	50N	25N
Mass	Travel 40mm:230g Travel 80mm:240g		Travel 40mm:230g Travel 80mm:240g	

Motor Specifications	
Basic step angle	1.8°
Driving method	2-phase Bi-polar
Rated Voltage	DC 3.8 V
Rated current	0.67 A/phase
Winding resistance	5.6 $\Omega$
Winding inductance	5.3mH
Insulation Class	Class B (130°C)
Operating Temp.	0~40°C (No Condensation)

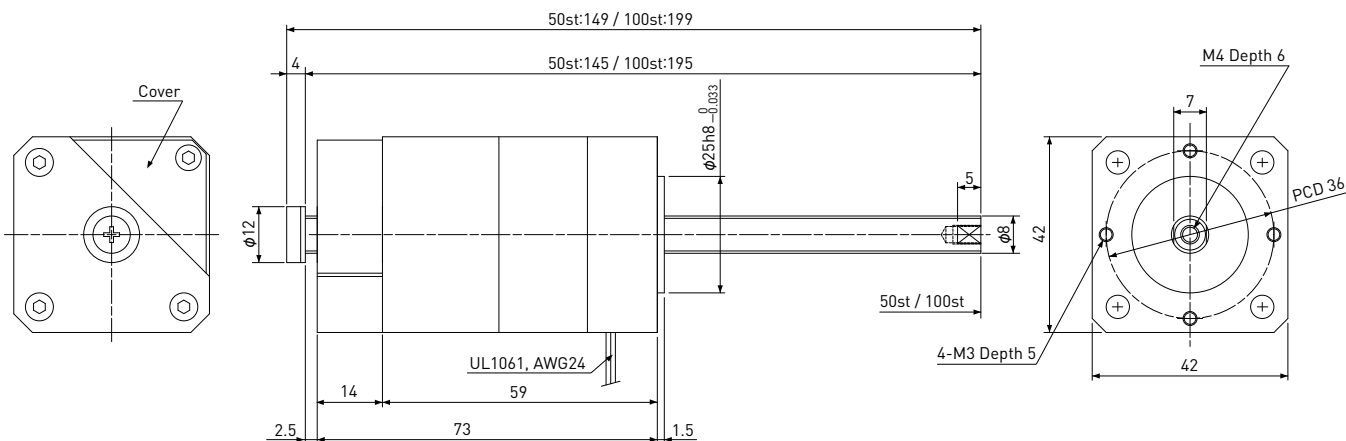
### Precautions

- Non-Captive type does not have an anti-rotating device. External anti-rotating devices should be set up when usage. 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

# DDACL □42 / NEMA 17

Shaft dia.  $\phi 8$

Linear Actuator Captive, Non-Captive type



**Motor lead wire**

A	Black
Ā	Green
B	Red
B̄	Blue

UL1061, AWG24 (310mm)

Recommended Drivers	SD4030B3
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Note) Refer to page P164 for connection diagram of recommended Drivers.

Specifications				
	DDACL42-G02 050/100	DDACL42-G05 050/100	DDACL42-R02 050/100	DDACL42-R05 050/100
Drive Screw type	Precision Ball Screw		Rolled Ball Screw	
Screw lead	2mm	5mm	2mm	5mm
Travel	50mm / 100mm		50mm / 100mm	
Repeatability	$\pm 0.005\text{mm}$		$\pm 0.010\text{mm}$	
Lost Motion	0.010mm		0.020mm	
Permissible Speed	40mm/sec	100mm/sec	40mm/sec	100mm/sec
Acceleration & deceleration time	Min. 0.2sec		Min. 0.2sec	
Thrust Force	80N	30N	80N	30N
Mass	Travel 50mm :530g Travel 100mm :550g		Travel 50mm :530g Travel 100mm :550g	

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 Temp.	0~40°C (No Condensation)

**Precautions**

- Non-Captive type does not have an anti-rotating device. External anti-rotating devices should be set up when usage. 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