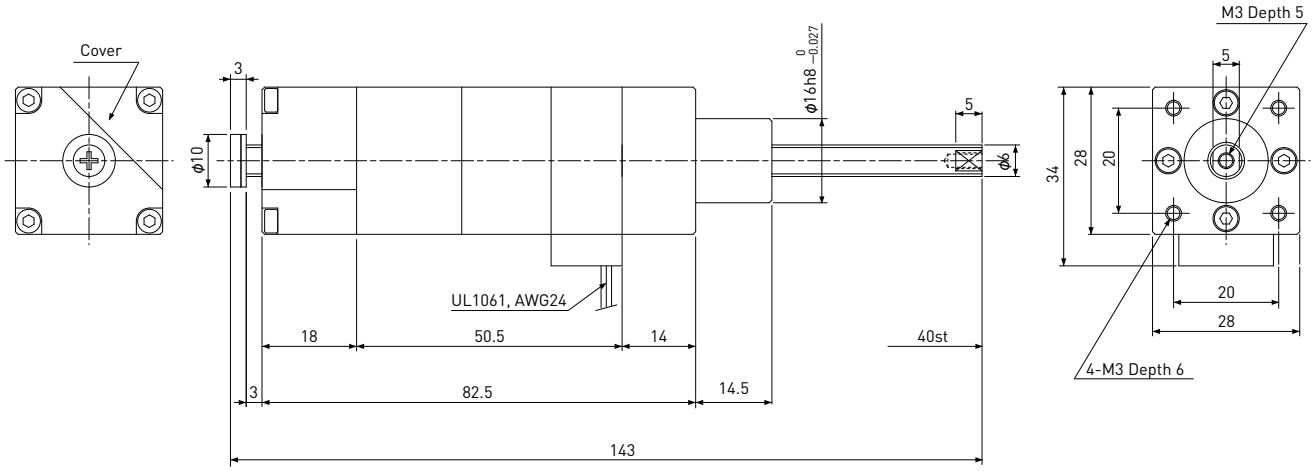
Anti-rotating device built-in model

DDAAR □28 / NEMA 11

Shaft dia.ϕ6



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

UL1061, AWG24(310mm)

Recommended Drivers	SD4030B3

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

Specifications		
	DDAAR28-G01 040	DDAAR28-G02 040
Drive Screw type	Precision Ball Screw	
Screw lead	1mm	2mm
Travel	40mm	
Repeatability	±0.005mm	
Lost Motion	0.010mm	
Permissible Speed	20mm/sec	40mm/sec
Acceleration & deceleration time	Min. 0.2sec	
Thrust Force	50N	25N
Mass	270g	

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	5.6Ω
Winding inductance	5.3mH
Insulation Class	Class B (130℃)
Operating Temperature	0~40℃ (No Condensation)

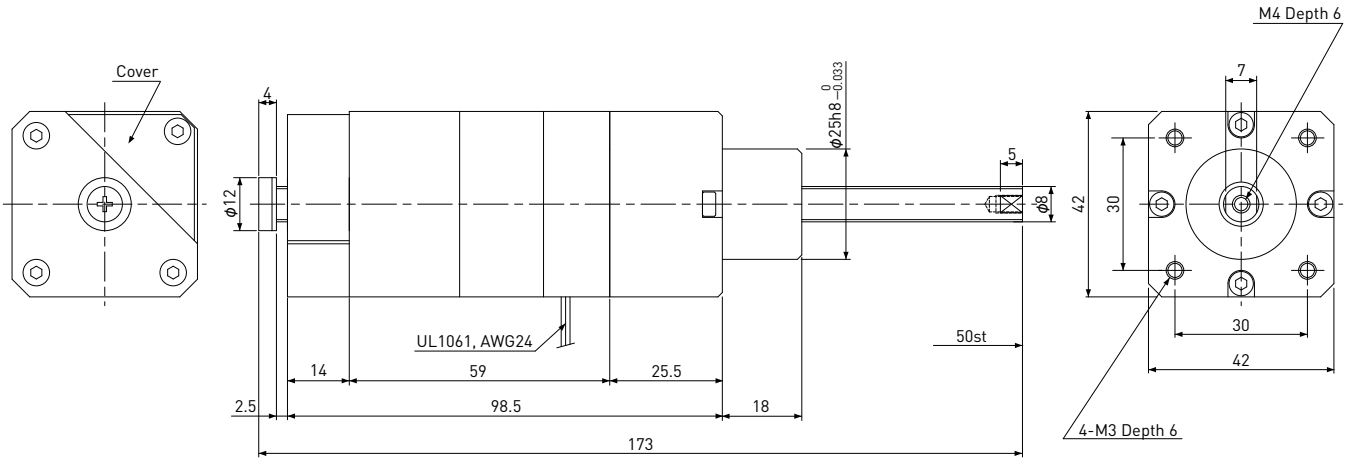
Precautions

- 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

Anti-rotating device built-in model

DDAAR □42 / NEMA 17

Shaft dia.ϕ8



Motor lead wire	
A	Black
$\overline{A}$	Green
B	Red
$\overline{B}$	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	±0.005mm	
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	2.1Ω
Winding inductance	4.0mH
Insulation Class	Class B (130℃)
Operating Temperature	0~40℃ (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