Motor Specifications

Driving method

Rated Voltage

Rated current

Winding resistance

Insulation Class

2-phase Bi-polar

3.8V(DC)

0.67A/phase

5.6Ω

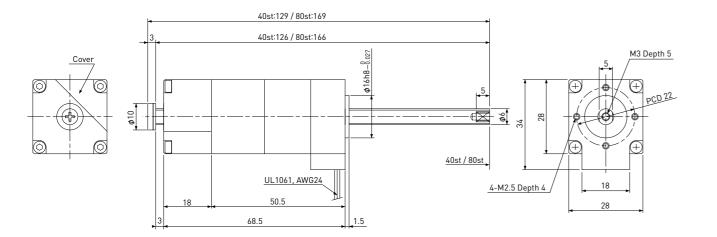
Class B(130℃)

## DDACL28-G01 040/080

Lead: 1mm Travel: 40/80mm

# DDACL28-G02 040/080

40st:129 / 80st:169



Motor	lead	wire	(310mm)

Α	Black	
Ā	Green	
В	Red	
B	Blue	

Specifications		
Motor Frame Size	□28 (NEMA11)	
Drive Screw type	Precision Ball Screw	
Screw Lead	1mm	
Travel	40mm / 80mm	
Repeatability	±0.005mm	
Lost Motion	0.010mm	
Maximum Speed	20mm/sec	
Acceleration & Deceleration time	Min. 0.2sec	
Thrust Force	50N	
Mass	Travel 40mm : 230g Travel 80mm : 240g	
Operating Temperature	0~40°C (No Condensation)	

Motor Specifications		
Driving method	2-phase Bi-polar	
Rated Voltage	3.8V(DC)	
Rated current	0.67A/phase	
Winding resistance	5.6Ω	
Insulation Class	Class B(130°C)	

Specifications	
□28 (NEMA11)	Motor Frame Size
Precision Ball Screw	Drive Screw type
2mm	Screw Lead
40mm / 80mm	Travel
±0.005mm	Repeatability
0.010mm	Lost Motion
40mm/sec	Maximum Speed
Min. 0.2sec	Acceleration & Deceleration time
25N	Thrust Force
Travel 40mm : 230g Travel 80mm : 240g	Mass
0~40°C (No Condensation)	Operating Temperature

-	3 40st:126 / 80st:166	
Cover	UL1061, AWG24  18  50.5  1.5	M3 Depth 5  PCO 22  M2.5 Depth 4  18  28

### Motor lead wire (310mm)

Α	Black
Ā	Green
В	Red
B	Blue

- · CL type(Non-Captive type) does not have an anti-rotating device.
- External anti-rotating device should be set up when usage.
- · 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.

Specifications		
Motor Frame Size	□28 (NEMA11)	
Drive Screw type	Precision Ball Screw	
Screw Lead	1mm	
Travel	40mm / 80mm	
Repeatability	±0.005mm	
Lost Motion	0.010mm	
Maximum Speed	20mm/sec	
Acceleration & Deceleration time	Min. 0.2sec	
Thrust Force	50N	
Mass	Travel 40mm : 230g Travel 80mm : 240g	
Operating Temperature	0~40°C (No Condensation)	

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K107

## DDACL28-R01 040/080

Lead : 1mm Travel : 40/80mm

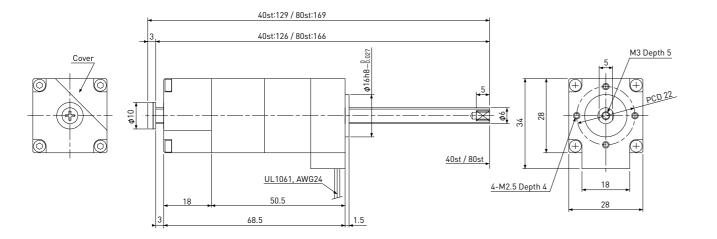
# DDACL28-R02 040/080

40st:129 / 80st:169

40st:126 / 80st:166

UL1061, AWG24

Lead : 2mm Travel : 40/80mm



Motor lead wire (310mm	1)
------------------------	----

Α	Black	
Ā	Green	
В	Red	
B	Blue	

Specifications		
Motor Frame Size	□28 (NEMA11)	
Drive Screw type	Rolled Ball Screw	
Screw Lead	1mm	
Travel	40mm / 80mm	
Repeatability	±0.010mm	
Lost Motion	0.020mm	
Maximum Speed	20mm/sec	
Acceleration & Deceleration time	Min. 0.2sec	
Thrust Force	50N	
Mass	Travel 40mm : 230g Travel 80mm : 240g	
Operating Temperature	0~40°C (No Condensation)	

Motor Specifications		
Driving method	2-phase Bi-polar	
Rated Voltage	3.8V(DC)	
Rated current	0.67A/phase	
Winding resistance	5.6Ω	
Insulation Class	Class B(130℃)	

Specifications		
Motor Frame Size	□28 (NEMA11)	
Drive Screw type	Rolled Ball Screw	
Screw Lead	2mm	
Travel	40mm / 80mm	
Repeatability	±0.010mm	
Lost Motion	0.020mm	
Maximum Speed	40mm/sec	
Acceleration & Deceleration time	Min. 0.2sec	
Thrust Force	25N	
Mass	Travel 40mm : 230g Travel 80mm : 240g	
Operating Temperature	0~40°C (No Condensation)	

Motor Specifications	
Driving method	2-phase Bi-polar
Rated Voltage	3.8V(DC)
Rated current	0.67A/phase
Winding resistance	5.6Ω
Insulation Class	Class B(130℃)

40st / 80st

4-M2.5 Depth 4

## Precautions

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### Precautions

Motor lead wire (310mm)

 A
 Black

 A
 Green

 B
 Red

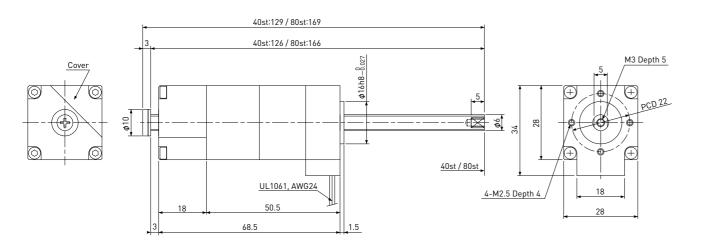
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- $\cdot \ \mathsf{Specifications} \ \mathsf{above} \ \mathsf{are} \ \mathsf{reference} \ \mathsf{value} \ \mathsf{measured} \ \mathsf{in} \ \mathsf{vertical} \ \mathsf{position} \ \mathsf{at} \ \mathsf{virgin} \ \mathsf{condition}.$
- · Sensor is not built in this standard design.
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Lead: 6mm

Travel: 40/80mm

## DDACL28-Re02 040/080

Lead: 2mm Travel: 40/80mm



### Motor lead wire (310mm)

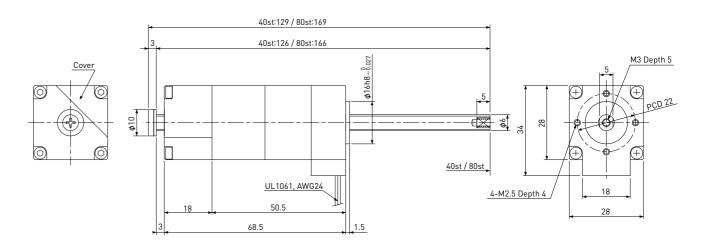
Α	Black
Ā	Green
В	Red
B	Blue

Specifications	
Motor Frame Size	□28 (NEMA11)
Drive Screw type	Resin Lead Screw
Screw Lead	2mm
Travel	40mm / 80mm
Repeatability	±0.030mm
Lost Motion	0.060mm
Maximum Speed	20mm/sec
Acceleration & Deceleration time	Min. 0.4sec
Thrust Force	10N
Mass	Travel 40mm : 210g Travel 80mm : 220g
Operating Temperature	0~40°C (No Condensation)

Motor Specifications		
2-phase Bi-polar		
3.8V(DC)		
0.67A/phase		
5.6Ω		
Class B(130℃)		

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# DDACL28-Re06 040/080



### Motor lead wire (310mm)

Α	Black
Ā	Green
В	Red
B	Blue

Specifications		
Motor Frame Size	□28 (NEMA11)	
Drive Screw type	Resin Lead Screw	
Screw Lead	6mm	
Travel	40mm / 80mm	
Repeatability	±0.030mm	
Lost Motion	0.060mm	
Maximum Speed	60mm/sec	
Acceleration & Deceleration time	Min. 0.4sec	
Thrust Force	2.5N	
Mass	Travel 40mm : 210g Travel 80mm : 220g	
Operating Temperature	0~40°C (No Condensation)	

Motor Specifications		
Driving method	2-phase Bi-polar	
Rated Voltage	3.8V(DC)	
Rated current	0.67A/phase	
Winding resistance	5.6Ω	
Insulation Class	Class B(130℃)	

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## DDACL42-G02 050/100

Lead: 2mm Travel: 50/100mm

## DDACL42-G05 050/100

50st:149 / 100st:199

50st:145 / 100st:195

Lead: 5mm Travel: 50/100mm

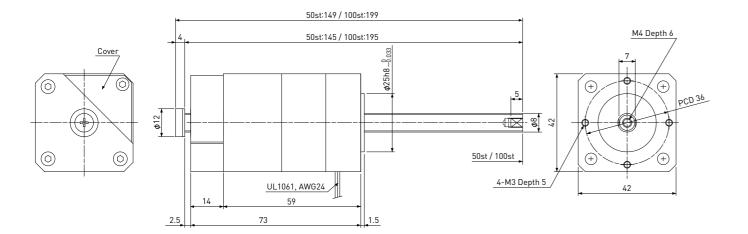
2-phase Bi-polar

2.5V(DC)

1.2A/phase

2.1Ω

Class B(130°C)



## Motor lead wire (310mm)

Α	Black
Ā	Green
В	Red
B	Blue

Specifications		
Motor Frame Size	□42 (NEMA17)	
Drive Screw type	Precision Ball Screw	
Screw Lead	2mm	
Travel	50mm / 100mm	
Repeatability	±0.005mm	
Lost Motion	0.010mm	
Maximum Speed	40mm/sec	
Acceleration & Deceleration time	Min. 0.2sec	
Thrust Force	80N	
Mass	Travel 50mm : 530g Travel 100mm : 550g	
Operating Temperature	0~40°C (No Condensation)	

Motor Specifications		
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)	

Specifications		
Motor Frame Size	□42 (NEMA17)	
Drive Screw type	Precision Ball Screw	
Screw Lead	5mm	
Travel	50mm / 100mm	
Repeatability	±0.005mm	
Lost Motion	0.010mm	
Maximum Speed	100mm/sec	
Acceleration & Deceleration time	Min. 0.2sec	
Thrust Force	30N	
Mass	Travel 50mm : 530g Travel 100mm : 550g	
Operating Temperature	0~40°C (No Condensation)	

4012	UL1061, AWG24	50st / 100st 4-M3	I
2.5	<del></del>	1.5	

cifications	Motor Spe
2-ph	Driving method
2	Rated Voltage
1.	Rated current
	Winding resistance
Clas	Insulation Class

М	re	ca	ut	io
		_		

(0)

Motor lead wire (310mm)

A Black
A Green B Red

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- · Sensor is not built in this standard design.
- Please ask KSS if necessary.

Specifications			
Motor Frame Size	□42 (NEMA17)		
Drive Screw type	Precision Ball Screw		
Screw Lead	2mm		
Travel	50mm / 100mm		
Repeatability	±0.005mm		
Lost Motion	0.010mm		
Maximum Speed	40mm/sec		
Acceleration & Deceleration time	Min. 0.2sec		
Thrust Force	80N		
Mass	Travel 50mm : 530g Travel 100mm : 550g		
Operating Temperature	0~40°C (No Condensation)		

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Standard products
CL Series (Non-Captive type)

## DDACL42-R02 050/100

Lead: 2mm Travel: 50/100mm

## DDACL42-R05 050/100

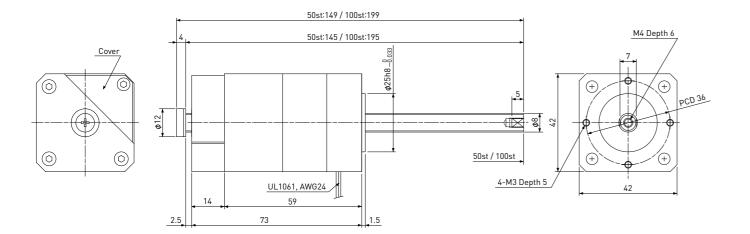
50st:149 / 100st:199

50st:145 / 100st:195

UL1061, AWG24

Lead : 5mm Travel : 50/100mm

M4 Depth 6



### Motor lead wire (310mm)

Α	Black
Ā	Green
В	Red
B	Blue

Specifications		
Motor Frame Size	□42 (NEMA17)	
Drive Screw type	Rolled Ball Screw	
Screw Lead	2mm	
Travel	50mm / 100mm	
Repeatability	±0.010mm	
Lost Motion	0.020mm	
Maximum Speed	40mm/sec	
Acceleration & Deceleration time	Min. 0.2sec	
Thrust Force	80N	
Mass	Travel 50mm : 530g Travel 100mm : 550g	
Operating Temperature	0~40°C (No Condensation)	

Motor Specifications			
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)		

Specifications		
Motor Frame Size	□42 (NEMA17)	
Drive Screw type	Rolled Ball Screw	
Screw Lead	5mm	
Travel	50mm / 100mm	
Repeatability	±0.010mm	
Lost Motion	0.020mm	
Maximum Speed	100mm/sec	
Acceleration & Deceleration time	Min. 0.2sec	
Thrust Force	30N	
Mass	Travel 50mm : 530g Travel 100mm : 550g	
Operating Temperature	0~40°C (No Condensation)	

Motor Specifications		
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)	

**-€** 

4-M3 Depth 5

50st / 100st

### Precautions

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## Pracautions

(0)

Motor lead wire (310mm)

 A
 Black

 A
 Green

 B
 Red

0

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# DDACL42-Re02 050/100

Lead : 2mm Travel : 50/100mm

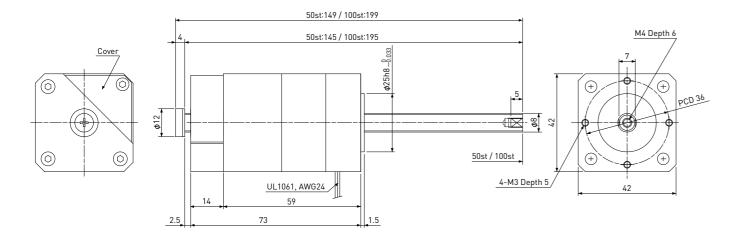
## DDACL42-Re05 050/100

50st:149 / 100st:199

50st:145 / 100st:195

UL1061, AWG24

M4 Depth 6



Motor lead wire (310mm)
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Α	Black
Ā	Green
В	Red
B	Blue

Specifications		
Motor Frame Size	□42 (NEMA17)	
Drive Screw type	Resin Lead Screw	
Screw Lead	2mm	
Travel	50mm / 100mm	
Repeatability	±0.030mm	
Lost Motion	0.060mm	
Maximum Speed	20mm/sec	
Acceleration & Deceleration time	Min. 0.4ec	
Thrust Force	20N	
Mass	Travel 50mm : 490g Travel 100mm : 510g	
Operating Temperature	0~40°C (No Condensation)	

Motor Specifications		
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℃)	

A Green B Red		
B Blue		
Specifications		
Motor Frame Size	□42 (NEMA17)	
Drive Screw type	Resin Lead Screw	
Screw Lead	5mm	
Travel	50mm / 100mm	
Repeatability	±0.030mm	
Lost Motion	0.060mm	
Maximum Speed	50mm/sec	
Acceleration & Deceleration time	Min. 0.4sec	
Thrust Force	10N	
Mass	Travel 50mm : 490g Travel 100mm : 510g	

Motor Specifications		
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℃)	

4-M3 Depth 5

50st / 100st

### Precautions

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- Please ask KSS if necessary.

## Precautions

(0)

Motor lead wire (310mm)

A Black

0

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0~40°C (No Condensation)

· Sensor is not built in this standard design.

Operating Temperature

Please ask KSS if necessary.