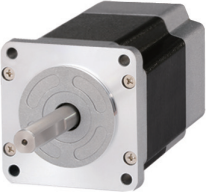


Motor Length [mm]	Shaft Type	Wire Connection	Protection Structure	Approval	Model
30.5	Single shaft	Pentagon	IP30	CE	02K-S523
	Dual shaft	Pentagon	IP30	CE	02K-S523W
46.5	Single shaft	Pentagon	IP30	CE	04K-S525
	Dual shaft	Pentagon	IP30	CE	04K-S525W
33	Single shaft	Pentagon	IP30	CE	A1K-S543
	Dual shaft	Pentagon	IP30	CE	A1K-S543W
	Single shaft	Standard	IP30	CE	A1K-S543-S
	Dual shaft	Standard	IP30	CE	A1K-S543W-S
33	Single shaft	Pentagon	IP30	CE	A1K-M543
	Dual shaft	Pentagon	IP30	CE	A1K-M543W
39	Single shaft	Pentagon	IP30	CE	A2K-S544
	Dual shaft	Pentagon	IP30	CE	A2K-S544W
	Single shaft	Standard	IP30	CE	A2K-S544-S
	Dual shaft	Standard	IP30	CE	A2K-S544W-S
39	Single shaft	Pentagon	IP30	CE	A2K-M544
	Dual shaft	Pentagon	IP30	CE	A2K-M544W
47	Single shaft	Pentagon	IP30	CE	A3K-S545
	Dual shaft	Pentagon	IP30	CE	A3K-S545W
	Single shaft	Standard	IP30	CE	A3K-S545-S
	Dual shaft	Standard	IP30	CE	A3K-S545W-S
47	Single shaft	Pentagon	IP30	CE	A3K-M545
	Dual shaft	Pentagon	IP30	CE	A3K-M545W

Stepper Motors

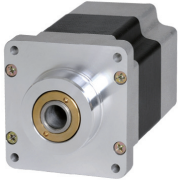
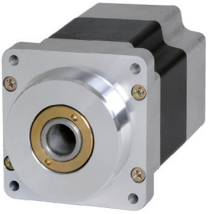
Frame Size 24mm-42mm-60mm-85mm-Shaft Type-5-Phase Stepper Motor /
 Frame Size 42mm-60mm-85mm Shaft+Built-in Brake Type-5-Phase Stepper Motor /
 Frame Size 42mm-60mm-85mm Geared+Built-in Brake Type-5-Phase Stepper Motor /
 Frame Size 60mm Rotary Actuator+Built-in Brake Type-5-Phase Stepper Motor /



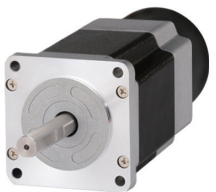
Series	Basic Step Angle [FULL/HALF]	Max. Holding Torque [kgf·cm]	Rotor Moment Of Inertia [g·cm ²]	Winding Resistance [Ω]	Rated Current [A/Phase]		
Frame Size 60mm, Shaft Type, 5-Phase Stepper Motor AK Series 	0.72°/0.36°	4.2	175	2.6	0.75		
				0.8	1.4		
				0.26	2.8		
		8.3	280	4	0.75		
				1.1	1.4		
				0.35	2.8		
		16.6	560	1.8	1.4		
				0.56	2.8		
		Frame Size 85mm, Shaft Type, 5-Phase Stepper Motor AK Series 	0.72°/0.36°	21	1400	1.76	1.4
						0.4	2.8
				41	2700	2.6	1.4
						0.58	2.8
63	4000			3.92	1.4		
				0.86	2.8		

Motor Length [mm]	Shaft Type	Wire Connection	Protection Structure	Approval	Model
48.5	Single shaft	Pentagon	IP30	CE	A4K-S564
	Dual shaft	Pentagon	IP30		A4K-S564W
	Single shaft	Standard	IP30	CE	A4K-S564-S
	Dual shaft	Standard	IP30		A4K-S564W-S
	Single shaft	Pentagon	IP30	CE	A4K-S564H
	Dual shaft	Pentagon	IP30		A4K-S564HW
48.5	Single shaft	Pentagon	IP30	CE	A4K-M564
	Dual shaft	Pentagon	IP30		A4K-M564W
	Single shaft	Standard	IP30	CE	A4K-M564-S
	Dual shaft	Standard	IP30		A4K-M564W-S
	Single shaft	Pentagon	IP30	CE	A4K-M564H
	Dual shaft	Pentagon	IP30		A4K-M564HW
48.5	Single shaft	Pentagon	IP30	CE	A4K-G564
	Dual shaft	Pentagon	IP30		A4K-G564W
59.5	Single shaft	Pentagon	IP30	CE	A8K-S566
	Dual shaft	Pentagon	IP30		A8K-S566W
	Single shaft	Standard	IP30	CE	A8K-S566-S
	Dual shaft	Standard	IP30		A8K-S566W-S
	Single shaft	Pentagon	IP30	CE	A8K-S566H
	Dual shaft	Pentagon	IP30		A8K-S566HW
59.5	Single shaft	Pentagon	IP30	CE	A8K-M566
	Dual shaft	Pentagon	IP30		A8K-M566W
	Single shaft	Standard	IP30	CE	A8K-M566-S
	Dual shaft	Standard	IP30		A8K-M566W-S
	Single shaft	Pentagon	IP30	CE	A8K-M566H
	Dual shaft	Pentagon	IP30		A8K-M566HW
59.5	Single shaft	Pentagon	IP30	CE	A8K-G566
	Dual shaft	Pentagon	IP30		A8K-G566W
89	Single shaft	Pentagon	IP30	CE	A16K-M569
	Dual shaft	Pentagon	IP30		A16K-M569W
	Single shaft	Standard	IP30	CE	A16K-M569-S
	Dual shaft	Standard	IP30		A16K-M569W-S
	Single shaft	Pentagon	IP30	CE	A16K-M569H
	Dual shaft	Pentagon	IP30		A16K-M569HW
89	Single shaft	Pentagon	IP30	CE	A16K-G569
	Dual shaft	Pentagon	IP30		A16K-G569W
	Single shaft	Standard	IP30	CE	A16K-G569-S
	Dual shaft	Standard	IP30		A16K-G569W-S
	Single shaft	Pentagon	IP30	CE	A16K-G569H
	Dual shaft	Pentagon	IP30		A16K-G569HW
68	Single shaft	Pentagon	IP30	CE	A21K-M596
	Dual shaft	Pentagon	IP30		A21K-M596W
	Single shaft	Standard	IP30	CE	A21K-M596-S
	Dual shaft	Standard	IP30		A21K-M596W-S
68	Single shaft	Pentagon	IP30	CE	A21K-G596
	Dual shaft	Pentagon	IP30		A21K-G596W
	Single shaft	Standard	IP30	CE	A21K-G596-S
	Dual shaft	Standard	IP30		A21K-G596W-S
98	Single shaft	Pentagon	IP30	CE	A41K-M599
	Dual shaft	Pentagon	IP30		A41K-M599W
	Single shaft	Standard	IP30	CE	A41K-M599-S
	Dual shaft	Standard	IP30		A41K-M599W-S
98	Single shaft	Pentagon	IP30	CE	A41K-G599
	Dual shaft	Pentagon	IP30		A41K-G599W
	Single shaft	Standard	IP30	CE	A41K-G599-S
	Dual shaft	Standard	IP30		A41K-G599W-S
128	Single shaft	Pentagon	IP30	CE	A63K-M5913
	Dual shaft	Pentagon	IP30		A63K-M5913W
	Single shaft	Standard	IP30	CE	A63K-M5913-S
	Dual shaft	Standard	IP30		A63K-M5913W-S
128	Single shaft	Pentagon	IP30	CE	A63K-G5913
	Dual shaft	Pentagon	IP30		A63K-G5913W
	Single shaft	Standard	IP30	CE	A63K-G5913-S
	Dual shaft	Standard	IP30		A63K-G5913W-S

Stepper Motors

Frame Size 24mm-42mm-60mm-85mm-Shaft Type-5-Phase Stepper Motor /
 Frame Size 42mm-60mm-85mm Shaft+Built-in Brake Type-5-Phase Stepper Motor /
 Frame Size 42mm-60mm-85mm Geared+Built-in Brake Type-5-Phase Stepper Motor /
 Frame Size 60mm Rotary Actuator+Built-in Brake Type-5-Phase Stepper Motor /

Series	Basic Step Angle [FULL/HALF]	Max. Holding Torque [kgf-cm]	Rotor Moment Of Inertia [g-cm ²]	Winding Resistance [Ω]	Rated Current [A/Phase]
Frame Size 42mm, Hollow Shaft Type, 5-Phase Stepper Motor AHK Series 	0.72°/0.36°	1.3	35	1.7	0.75
		1.8	54	2.2	0.75
		2.4	68	2.2	0.75
Frame Size 60mm, Hollow Shaft Type, 5-Phase Stepper Motor AHK Series 	0.72°/0.36°	4.2	175	2.6	0.75
				0.8	1.4
		8.3	280	4	0.75
				1.1	1.4
		16.6	560	1.8	1.4
				0.56	2.8
Frame Size 85mm, Hollow Shaft Type, 5-Phase Stepper Motor AHK Series 	0.72°/0.36°	21	1400	1.76	1.4
				0.4	2.8
		41	2700	2.6	1.4
				0.58	2.8
		63	4000	3.92	1.4
				0.86	2.8



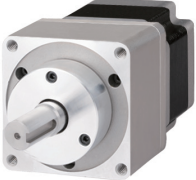

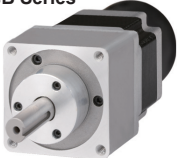
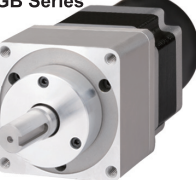

Series	Basic Step Angle [FULL/HALF]	Max. Holding Torque [kgf-cm]	Rotor Moment Of Inertia [g-cm ²]	Winding Resistance [Ω]	Rated Current [A/Phase]
Frame Size 42mm, Shaft+Built-in Brake Type, 5-Phase Stepper Motor AK-B Series 	0.72°/0.36°	1.3	35	1.7	0.75
		1.8	54	2.2	0.75
		2.4	68	2.2	0.75
Frame Size 60mm, Shaft+Built-in Brake Type, 5-Phase Stepper Motor AK-B Series 	0.72°/0.36°	4.2	175	2.6	0.75
				0.8	1.4
		8.3	280	4	0.75
				1.1	1.4
		16.6	560	1.8	1.4
				0.56	2.8
Frame Size 85mm, Shaft+Built-in Brake Type, 5-Phase Stepper Motor AK-B Series 	0.72°/0.36°	21	1400	1.76	1.4
				0.4	2.8
		41	2700	2.6	1.4
				0.58	2.8
		63	4000	3.92	1.4
				0.86	2.8

Motor Length [mm]	Shaft Type	Wire Connection	Protection Structure	Approval	Model
33	Single shaft	Pentagon	IP30	CE	AH1K-S543
39	Single shaft	Pentagon	IP30	CE	AH2K-S544
47	Single shaft	Pentagon	IP30	CE	AH3K-S545
48.5	Single shaft	Pentagon	IP30	CE	AH4K-S564
		Standard	IP30		AH4K-S564-S
48.5	Dual shaft	Pentagon	IP30	CE	AH4K-S564W
		Pentagon	IP30		AH4K-M564
48.5	Dual shaft	Pentagon	IP30	CE	AH4K-M564W
		Pentagon	IP30		AH8K-S566
59.5	Single shaft	Pentagon	IP30	CE	AH8K-S566W
		Pentagon	IP30		AH8K-M566
59.5	Dual shaft	Pentagon	IP30	CE	AH8K-M566W
		Pentagon	IP30		AH16K-M569
89	Single shaft	Pentagon	IP30	CE	AH16K-M569W
		Pentagon	IP30		AH16K-G569
89	Dual shaft	Pentagon	IP30	CE	AH16K-G569W
		Pentagon	IP30		AH21K-M596
68	Single shaft	Pentagon	IP30	CE	AH21K-M596W
		Pentagon	IP30		AH21K-G596
68	Dual shaft	Pentagon	IP30	CE	AH21K-G596W
		Pentagon	IP30		AH41K-M599
98	Single shaft	Pentagon	IP30	CE	AH41K-M599W
		Pentagon	IP30		AH41K-G599
98	Dual shaft	Pentagon	IP30	CE	AH41K-G599W
		Pentagon	IP30		AH63K-M5913
128	Single shaft	Pentagon	IP30	CE	AH63K-M5913W
		Pentagon	IP30		AH63K-G5913
128	Dual shaft	Pentagon	IP30	CE	AH63K-G5913W
		Pentagon	IP30		AH63K-M5913W

Motor Length [mm]	Shaft Type	Wire Connection	Protection Structure	Approval	Model
56	Single shaft	Pentagon	IP30	CE	A1K-S543-B
62	Single shaft	Pentagon	IP30	CE	A2K-S544-B
70	Single shaft	Pentagon	IP30	CE	A3K-S545-B
75	Single shaft	Pentagon	IP30	CE	A4K-S564-B
		Standard	IP30		A4K-S564-SB
75	Single shaft	Pentagon	IP30	CE	A4K-M564-B
		Standard	IP30		A4K-M564-SB
86	Single shaft	Pentagon	IP30	CE	A8K-S566-B
		Standard	IP30		A8K-S566-SB
86	Single shaft	Pentagon	IP30	CE	A8K-M566-B
		Standard	IP30		A8K-M566-SB
86	Single shaft	Pentagon	IP30	CE	A8K-M566H-B
		Pentagon	IP30		A16K-M569-B
115.5	Single shaft	Pentagon	IP30	CE	A16K-M569-SB
		Standard	IP30		A16K-G569-B
115.5	Single shaft	Pentagon	IP30	CE	A16K-G569-SB
		Standard	IP30		A21K-M596-B
103	Single shaft	Pentagon	IP30	CE	A21K-M596-SB
		Standard	IP30		A21K-G596-B
103	Single shaft	Pentagon	IP30	CE	A21K-G596-SB
		Standard	IP30		A41K-M599-B
133	Single shaft	Pentagon	IP30	CE	A41K-M599-SB
		Standard	IP30		A41K-G599-B
133	Single shaft	Pentagon	IP30	CE	A41K-G599-SB
		Standard	IP30		A63K-M5913-B
163	Single shaft	Pentagon	IP30	CE	A63K-M5913-SB
		Standard	IP30		A63K-G5913-B
163	Single shaft	Pentagon	IP30	CE	A63K-G5913-SB
		Standard	IP30		A63K-M5913W

Stepper Motors

Frame Size 24mm-42mm-60mm-85mm-Shaft Type-5-Phase Stepper Motor /
 Frame Size 42mm-60mm-85mm Shaft+Built-in Brake Type-5-Phase Stepper Motor /
 Frame Size 42mm-60mm-85mm Geared+Built-in Brake Type-5-Phase Stepper Motor /
 Frame Size 60mm Rotary Actuator+Built-in Brake Type-5-Phase Stepper Motor /

Series	Basic Step Angle [FULL/HALF]	Max. Allowable Torque [kgf·cm]	Rotor Moment Of Inertia [g·cm ²]	Winding Resistance [Ω]	Rated Current [A/Phase]
Frame Size 42mm, Geared Type, 5-Phase Stepper Motor AK-G Series 	0.72°/0.36°	10	68	2.2	0.75
		15	68	2.2	0.75
Frame Size 60mm, Geared Type, 5-Phase Stepper Motor AK-G Series 	0.72°/0.36°	35	280	1.1	1.4
		40	280	1.1	1.4
		50	280	1.1	1.4
Frame Size 85mm, Shaft+Built-in Brake Type 5-Phase Stepper Motor AK-G Series 	0.72°/0.36°	140	2700	2.6	1.4
				0.58	2.8
		200	2700	2.6	1.4
				0.58	2.8
				2.6	1.4
				0.58	2.8
Frame Size 42mm, Geared+Built-in Brake Type, 5-Phase Stepper Motor AK-GB Series 	0.72°/0.36°	3	68	2.2	0.75
		10	68	2.2	0.75
		15	68	2.2	0.75
Frame Size 60mm, Geared+Built-in Brake Type, 5-Phase Stepper Motor AK-GB Series 	0.72°/0.36°	35	280	1.1	1.4
		40	280	1.1	1.4
		50	280	1.1	1.4
Frame Size 85mm, Geared+Built-in Brake Type, 5-Phase Stepper Motor AK-GB Series 	0.72°/0.36°	140	2700	2.6	1.4
				0.58	2.8
		200	2700	2.6	1.4
				0.58	2.8
				2.6	1.4
				0.58	2.8
Frame Size 60mm, Rotary Actuator Type, 5-Phase Stepper Motor AK-R Series 	0.72°/0.36°	35	280	1.1	1.4
		40	280	1.1	1.4
		50	280	1.1	1.4

Motor Length [mm]	Shaft Type	Gear Ratio	Wire Connection	Protection Structure	Approval	Model
74.5	Single shaft	1 : 5	Pentagon	IP30	CE	A10K-S545-G5
	Dual shaft	1 : 5	Pentagon	IP30	CE	A10K-S545W-G5
74.5	Single shaft	1 : 7.2	Pentagon	IP30	CE	A15K-S545-G7.2
	Dual shaft	1 : 7.2	Pentagon	IP30	CE	A15K-S545W-G7.2
	Single shaft	1 : 10	Pentagon	IP30	CE	A15K-S545-G10
	Dual shaft	1 : 10	Pentagon	IP30	CE	A15K-S545W-G10
94.5	Single shaft	1 : 5	Pentagon	IP30	CE	A35K-M566-G5
	Dual shaft	1 : 5	Pentagon	IP30	CE	A35K-M566W-G5
94.5	Single shaft	1 : 7.2	Pentagon	IP30	CE	A40K-M566-G7.2
	Dual shaft	1 : 7.2	Pentagon	IP30	CE	A40K-M566W-G7.2
94.5	Single shaft	1 : 10	Pentagon	IP30	CE	A50K-M566-G10
	Dual shaft	1 : 10	Pentagon	IP30	CE	A50K-M566W-G10
145	Single shaft	1 : 5	Pentagon	IP30	CE	A140K-M599-G5
	Dual shaft	1 : 5	Pentagon	IP30	CE	A140K-M599W-G5
145	Single shaft	1 : 5	Pentagon	IP30	CE	A140K-G599-G5
	Dual shaft	1 : 5	Pentagon	IP30	CE	A140K-G599W-G5
145	Single shaft	1 : 7.2	Pentagon	IP30	CE	A200K-M599-G7.2
	Dual shaft	1 : 7.2	Pentagon	IP30	CE	A200K-M599W-G7.2
145	Single shaft	1 : 7.2	Pentagon	IP30	CE	A200K-G599-G7.2
	Dual shaft	1 : 7.2	Pentagon	IP30	CE	A200K-G599W-G7.2
145	Single shaft	1 : 10	Pentagon	IP30	CE	A200K-M599-G10
	Dual shaft	1 : 10	Pentagon	IP30	CE	A200K-M599W-G10
145	Single shaft	1 : 10	Pentagon	IP30	CE	A200K-G599-G10
	Dual shaft	1 : 10	Pentagon	IP30	CE	A200K-G599W-G10
97.5	Single shaft	1 : 10	Pentagon	IP30	CE	A3K-S545-GB10
97.5	Single shaft	1 : 5	Pentagon	IP30	CE	A10K-S545-GB5
97.5	Single shaft	1 : 7.2	Pentagon	IP30	CE	A15K-S545-GB7.2
		1 : 10	Pentagon	IP30	CE	A15K-S545-GB10
121	Single shaft	1 : 5	Pentagon	IP30	CE	A35K-M566-GB5
121	Single shaft	1 : 7.2	Pentagon	IP30	CE	A40K-M566-GB7.2
121	Single shaft	1 : 10	Pentagon	IP30	CE	A50K-M566-GB10
180	Single shaft	1 : 5	Pentagon	IP30	CE	A140K-M599-GB5
180	Single shaft	1 : 5	Pentagon	IP30	CE	A140K-G599-GB5
180	Single shaft	1 : 7.2	Pentagon	IP30	CE	A200K-M599-GB7.2
180	Single shaft	1 : 7.2	Pentagon	IP30	CE	A200K-G599-GB7.2
180	Single shaft	1 : 10	Pentagon	IP30	CE	A200K-M599-GB10
180	Single shaft	1 : 10	Pentagon	IP30	CE	A200K-G599-GB10
93.5	Single shaft	1 : 5	Pentagon	IP30	CE	A35K-M566-R5
	Dual shaft	1 : 5	Pentagon	IP30	CE	A35K-M566W-R5
93.5	Single shaft	1 : 7.2	Pentagon	IP30	CE	A40K-M566-R7.2
	Dual shaft	1 : 7.2	Pentagon	IP30	CE	A40K-M566W-R7.2
93.5	Single shaft	1 : 10	Pentagon	IP30	CE	A50K-M566-R10
	Dual shaft	1 : 10	Pentagon	IP30	CE	A50K-M566W-R10

Stepper Motors

Frame Size 24mm-42mm-60mm-85mm-Shaft Type-5-Phase Stepper Motor /
 Frame Size 42mm-60mm-85mm Shaft+Built-in Brake Type-5-Phase Stepper Motor /
 Frame Size 42mm-60mm-85mm Geared+Built-in Brake Type-5-Phase Stepper Motor /
 Frame Size 60mm Rotary Actuator+Built-in Brake Type-5-Phase Stepper Motor /

Series	Basic Step Angle [FULL/HALF]	Max. Allowable Torque [kgf·cm]	Rotor Moment Of Inertia [g·cm ²]	Winding Resistance [Ω]	Rated Current [A/Phase]
Frame Size 60mm Rotary Actuator+ Built-in Brake Type, 5-Phase Stepper Motor AK-RB Series	0.72°/0.36°	35	280	1.1	1.4
		40	280	1.1	1.4
		50	280	1.1	1.4



Motor Length [mm]	Shaft Type	Gear Ratio	Wire Connection	Protection Structure	Approval	Model
120	Single shaft	1 : 5	Pentagon	IP30	CE	A35K-M566-RB5
120	Single shaft	1 : 7.2	Pentagon	IP30	CE	A40K-M566-RB7.2
120	Single shaft	1 : 10	Pentagon	IP30	CE	A50K-M566-RB10

Stepper Motor Drivers

1.4A/Phase, DC Type, 5-Phase Stepper Motor Driver / 1.4A/Phase, AC Type, 5-Phase Stepper Motor Driver / 1.4A/Phase, DC Type, Multi-Axis Board Type, 5-Phase Stepper Motor Driver /

Series	Operation Method	Applied Motor	Resolution
<p>1.4A/Phase, DC Type, 5-Phase Stepper Motor Driver MD5-HD14</p>  <p>W39.5×H105×L86mm</p>	<p>Bipolar constant current pentagon drive</p>	<p>5-phase stepper motor</p>	<p>FULL STEP (1-division), HALF STEP (2-division), Micro STEP (4, 5, 8, 10, 16, 20, 25, 40, 50, 80, 100, 125, 200, 250-division)</p>
<p>1.4A/Phase, AC Type, 5-Phase Stepper Motor Driver MD5-HF14 Series</p>  <p>W42×H170×L133.5mm</p>	<p>Bipolar constant current pentagon drive</p>	<p>5-phase stepper motor</p>	<p>FULL STEP (1-division), HALF STEP (2-division), Micro STEP (4, 5, 8, 10, 16, 20, 25, 40, 50, 80, 100, 125, 200, 250-division)</p>
<p>2.8A/Phase, AC Type, 5-Phase Stepper Motor Driver MD5-HF28</p>  <p>W49×H211.5×L146mm</p>	<p>Bipolar constant current pentagon drive</p>	<p>5-phase stepper motor</p>	<p>FULL STEP (1-division), HALF STEP (2-division), Micro STEP (4, 5, 8, 10, 16, 20, 25, 40, 50, 80, 100, 125, 200, 250-division)</p>
<p>1.5A/Phase, DC Type, 5-Phase Stepper Motor Driver MD5-ND14</p>  <p>W32×H93×L55.5mm</p>	<p>Bipolar constant current pentagon drive</p>	<p>5-phase stepper motor</p>	<p>FULL STEP (1-division), HALF STEP (2-division)</p>

Power Supply	Max. Run Current [A/Phase]	Max. Current Consumption [A]	Output	Number Of Axes	Protection Structure	Approval	Model
20-35VDC	1.4	3	Zero point excitation	1-axis	—	CE	MD5-HD14
100-220VAC	1.4	3	Zero point excitation	1-axis	—	CE	MD5-HF14
			Alarm	1-axis	—	CE	MD5-HF14-AO
100-220VAC	2.8	5	Zero point excitation	1-axis	—	CE	MD5-HF28
20-35VDC	1.5	3	—	1-axis	—	CE	MD5-ND14

Stepper Motor Drivers

1.4A/Phase, DC Type, 5-Phase Stepper Motor Driver / 1.4A/Phase, AC Type, 5-Phase Stepper Motor Driver / 1.4A/Phase, DC Type, Multi-Axis Board Type, 5-Phase Stepper Motor Driver /



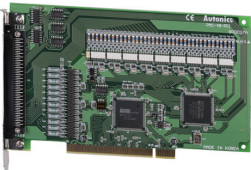
Series	Operation Method	Applied Motor	Resolution
1.4A/Phase, DC Type, Multi-Axis Board Type 5-Phase Stepper Motor Driver MD5-HD14-3X W40×H260×L80mm  MD5-HD14-2X W40×H190×L80mm 	Bipolar constant current pentagon drive	5-phase stepper motor	FULL STEP (1-division), HALF STEP (2-division), Micro STEP (4, 5, 8, 10, 16, 20, 25, 40, 50, 80, 100, 125, 200, 250-division)
	Bipolar constant current pentagon drive	5-phase stepper motor	FULL STEP (1-division), HALF STEP (2-division), Micro STEP (4, 5, 8, 10, 16, 20, 25, 40, 50, 80, 100, 125, 200, 250-division)
Unipolar 2-Phase Stepper Motor Driver MD2U-MD20  W39.5×H105×L86mm	Unipolar constant current drive	2-phase stepper motor	FULL STEP (1-division), HALF STEP (2-division), Micro STEP (4, 5, 8, 10, 16, 20-division)
Intelligent Unipolar 2-Phase Stepper Motor Driver MD2U-ID20  W39.5×H105×L86mm	Unipolar constant current drive	2-phase stepper motor	Intelligent type ^{※1}

※1: Intelligent driver which is not required motion controller operates speed changing, AC motor drive characteristics, for stepper motor. The unit supports start/drive speed, acceleration/deceleration drive. Various functions are available by easy operation (Switch, Volume).

Power Supply	Max. Run Current [A/Phase]	Max. Current Consumption [A]	Output	Number Of Axes	Protection Structure	Approval	Model
20-35VDC	1.4	5	—	2-axis	—	CE	MD5-HD14-2X
20-35VDC	1.4	7	—	3-axis	—	CE	MD5-HD14-3X
			Zero point excitation	3-axis	—	CE	MD5-HD14-3X(Z OUT)
24-35VDC	2	3	—	1-axis	—	CE	MD2U-MD20
24-35VDC	2	3	—	1-axis	—	CE	MD2U-ID20

Motion Controllers

High-Speed, 1-Axis-2-Axis Motion Controller /

Series	Number Of Axes	Type	Main Features	Input/Output Contact	Interpolations	Operation Mode
High-Speed, 1-Axis-2-Axis Motion Controller PMC-1HS/2HS Series  W35.5×H90×L64mm	1-axis	Independent type	—	Parallel I/F: 13/4 X-axis: 8/5 (general: 0/1) Y-axis: 8/5 (general: 0/1)	—	INDEX, PROGRAM (64-step), JOG, CONTINUOUS
	2-axis	Independent type	—	Parallel I/F: 13/4 X-axis: 8/6 (general: 2/2) Y-axis: 8/6 (general: 2/2)	—	INDEX, PROGRAM (64-step), JOG, CONTINUOUS
※1: Connection port is RS232C or USB. Refer to the model name.						
General-Purpose, High-Speed, 2-Axis, Interpolation Type PMC-2HSN/2HSP Series  W35.5×H90×L64mm	2-axis	Independent type	S-shaped acceleration/ deceleration	Parallel I/F: 13/4 X-axis: 8/6 (general: 2/2) Y-axis: 8/6 (general: 2/2)	—	INDEX, PROGRAM (200-step), JOG, CONTINUOUS
					2-axis linear interpolation, circle interpolation, arc interpolation	INDEX, PROGRAM (200-step), JOG, CONTINUOUS
4-Axis, Board Type, Motion Controller PMC-4B-PCI  W174.6×H106.7mm	4-axis	Board type	S-shaped acceleration/ deceleration, Constant linear velocity, Synchronized operation	X, Y, Z, U-axis: 15/8 (general: 0/4)	2/3-axis linear interpolation, arc interpolation, 2/3-axis bit pattern interpolation, constant interpolation	User programming

In-Position Setting	Drive Speed	Connection	Communication Protocol	Applied Library	Power Supply	Approval	Model
ABSOLUTE, INCREMENTAL	1pps to 4Mpps	RS232C	Autonics protocol	—	24VDC	CE	PMC-1HS-232
		RS232C, USB	Autonics protocol	—	24VDC	CE	PMC-1HS-USB
ABSOLUTE, INCREMENTAL	1pps to 4Mpps	RS232C	Autonics protocol	—	24VDC	CE	PMC-2HS-232
		RS232C, USB	Autonics protocol	—	24VDC	CE	PMC-2HS-USB
ABSOLUTE, INCREMENTAL	1pps to 4Mpps	RS485	Modbus RTU	C programming language (provided DLL)	24VDC	CE	PMC-2HSN-485
		USB	Modbus RTU	C programming language (provided DLL)	24VDC	CE	PMC-2HSN-USB
ABSOLUTE, INCREMENTAL	1pps to 4Mpps	RS485	Modbus RTU	C programming language (provided DLL)	24VDC	CE	PMC-2HSP-485
		USB	Modbus RTU	C programming language (provided DLL)	24VDC	CE	PMC-2HSP-USB
ABSOLUTE, INCREMENTAL	1pps to 4Mpps	PCI Slot	PCI bus	C programming language (provided DLL), LabView	24VDC	CE	PMC-4B-PCI