

List of Products Conforming to Safety Standards (Information current as of March 2010.)


World K Series Induction Motors Lead Wire Type

Product Name		UL/CSA Standards			EN/IEC Standards			CE Marking		China Compulsory Certification System			Page																													
Pinion Shaft	Round Shaft	Applicable Standards	File No. or Certificate No.	Certification Body	Applicable Standards	License No. or Certificate No.	Certification Body	Low Voltage Directive Applicable Standards	EMC Directive Applicable Standards	Applicable Standards	Certificate No.	Certification Body																														
0IK1GN-AW3	0IK1A-AW3	UL 1004 UL 2111 CSA C22.2 No. 77 CSA C22.2 No. 100	E64199	UL	-	-	-	EN 60034-1 EN 60034-5 EN 60664-1 EN 60950-1	-	GB12350	2005010401150786	CQC	A-26																													
0IK3GN-BW3	0IK3A-BW3										2003010401091525		A-28																													
2IK6GN-AW2	2IK6A-AW2										2003010401091527		A-31																													
2IK6GN-CW2	2IK6A-CW2										2003010401091522																															
2IK6GN-SW2	2IK6A-SW2										2003010401091520																															
3IK15GN-AW2	3IK15A-AW2										E64197		-	-	-	-	-	-	-	-	2003010401091522	CQC	A-34																			
3IK15GN-CW2	3IK15A-CW2		2003010401091520																		A-38																					
3IK15GN-SW2	3IK15A-SW2		2003010401091520																																							
4IK25GN-AW2	4IK25A-AW2		E64197																		-		-	-	-	-	-	-	-	2003010401091522	CQC	A-42										
4IK25GN-CW2	4IK25A-CW2																													2003010401091520												
4IK25GN-SW2	4IK25A-SW2																													2003010401091520												
5IK40GN-AW2	5IK40A-AW2																													E64197		-	-	-	-	-	-	-	-	2003010401091522	CQC	A-46
5IK40GN-CW2	5IK40A-CW2																																							2003010401091520		
5IK40GN-SW2	5IK40A-SW2																																							2003010401091520		
5IK60GE-AW2	5IK60A-AW2																																							2003010401091522		
5IK60GE-CW2	5IK60A-CW2										E64197		-	-	-	-	-	-	-	-		2003010401091520								CQC		A-46										
5IK60GE-SW2	5IK60A-SW2	2003010401091520																																								
5IK90GE-AW2	5IK90A-AW2	E64197	-	-	-	-	-	-	-	-	2003010401091522	CQC	A-46																													
5IK90GE-CW2	5IK90A-CW2										2003010401091520																															
5IK90GE-SW2	5IK90A-SW2										2003010401091520																															

World K Series Induction Motors Terminal Box Type

Product Name		UL/CSA Standards			EN/IEC Standards			CE Marking		China Compulsory Certification System			Page																
Pinion Shaft	Round Shaft	Applicable Standards	File No. or Certificate No.	Certification Body	Applicable Standards	License No. or Certificate No.	Certification Body	Low Voltage Directive Applicable Standards	EMC Directive Applicable Standards	Applicable Standards	Certificate No.	Certification Body																	
2IK6GN-AWT*	2IK6A-AWT*	UL 1004 UL 2111 CSA C22.2 No. 77 CSA C22.2 No. 100	E64199	UL	EN 60950-1	114919	VDE	EN 60034-1 EN 60034-5 EN 60664-1 EN 60950-1	-	GB12350	-	CQC	A-28																
2IK6GN-CWT*	2IK6A-CWT*										2003010401091522		A-34																
2IK6GN-SWT*	2IK6A-SWT*										2003010401091520																		
4IK25GN-AW2T	4IK25A-AW2T										2003010401091522																		
4IK25GN-CW2T	4IK25A-CW2T		2003010401091522		A-38																								
4IK25GN-SW2T	4IK25A-SW2T		2003010401091520																										
5IK40GN-AW2T	5IK40A-AW2T		E64197		-	-	-				-		-	-	-	-	2003010401091522	CQC	A-42										
5IK40GN-CW2T	5IK40A-CW2T																2003010401091520												
5IK40GN-SW2T	5IK40A-SW2T																2003010401091520												
5IK60GE-AW2T	5IK60A-AW2T																E64197		-	-	-	-	-	-	-	-	2003010401091522	CQC	A-46
5IK60GE-CW2T	5IK60A-CW2T																										2003010401091520		
5IK60GE-SW2T	5IK60A-SW2T																										2003010401091520		
5IK90GE-AW2T	5IK90A-AW2T																										2003010401091522		
5IK90GE-CW2T	5IK90A-CW2T																E64197		-	-	-	-	-	-	-	-	2003010401091520	CQC	A-46
5IK90GE-SW2T	5IK90A-SW2T		2003010401091520																										

*CCC certified components are also available. For details, please contact the nearest Oriental Motor sales office.

● The round shaft type (**4IK25A-SW2T**, **5IK40A-SW2T**, **5IK60A-SW2T**, **5IK90A-SW2T**) motors display the PSE mark  that is based on the Electrical Appliance and Material Safety Law (Electrical appliances other than the specific electrical appliance)

World K Series Induction Motors Three-Phase 380/400/415 VAC Type

Product Name		UL/CSA Standards			EN/IEC Standards			CE Marking		China Compulsory Certification System			Page
Pinion Shaft	Round Shaft	Applicable Standards	File No. or Certificate No.	Certification Body	Applicable Standards	License No. or Certificate No.	Certification Body	Low Voltage Directive Applicable Standards	EMC Directive Applicable Standards	Applicable Standards	Certificate No.	Certification Body	
4IK25GN-UW2	4IK25A-UW2	-	-	-	-	-	-	EN 60034-1 EN 60034-5 EN 60664-1 EN 60950-1	-	GB12350	Applied*	CQC	A-34
4IK25GN-UW2T2	4IK25A-UW2T2												A-38
5IK40GN-UW2	5IK40A-UW2												
5IK40GN-UW2T2	5IK40A-UW2T2												
5IK60GE-UW2	5IK60A-UW2												A-42
5IK60GE-UW2T2	5IK60A-UW2T2												
5IK90GE-UW2	5IK90A-UW2												A-46
5IK90GE-UW2T2	5IK90A-UW2T2												

*These products are currently awaiting certification under the China Compulsory Certification (CCC) System. For details, please contact the nearest Oriental Motor Sales office.

World K Series Reversible Motors Lead Wire Type

Product Name		UL/CSA Standards			EN/IEC Standards			CE Marking		China Compulsory Certification System			Page
Pinion Shaft	Round Shaft	Applicable Standards	File No. or Certificate No.	Certification Body	Applicable Standards	License No. or Certificate No.	Certification Body	Low Voltage Directive Applicable Standards	EMC Directive Applicable Standards	Applicable Standards	Certificate No.	Certification Body	
ORK1GN-AW3	ORK1A-AW3	UL 1004 UL 2111 CSA C22.2 No. 77 CSA C22.2 No. 100	E64199	UL		-		EN 60034-1 EN 60034-5 EN 60664-1 EN 60950-1	-	GB12350	2005010401150787	CQC	A-67
2RK6GN-AW2	2RK6A-AW2										2003010401091525		A-70
2RK6GN-CW2	2RK6A-CW2												A-73
3RK15GN-AW2	3RK15A-AW2										A-76		
3RK15GN-CW2	3RK15A-CW2										A-80		
4RK25GN-AW2	4RK25A-AW2										A-84		
4RK25GN-CW2	4RK25A-CW2										A-88		
5RK40GN-AW2	5RK40A-AW2												
5RK40GN-CW2	5RK40A-CW2												
5RK60GE-AW2	5RK60A-AW2												
5RK60GE-CW2	5RK60A-CW2												
5RK90GE-AW2	5RK90A-AW2												
5RK90GE-CW3	5RK90A-CW3												

RoHS
Directive
Compliance

Safety
Standards

List of Safety
Standard
Approved
Products

World K Series Reversible Motors Terminal Box Type

Product Name		UL/CSA Standards			EN/IEC Standards			CE Marking		China Compulsory Certification System			Page
Pinion Shaft	Round Shaft	Applicable Standards	File No. or Certificate No.	Certification Body	Applicable Standards	License No. or Certificate No.	Certification Body	Low Voltage Directive Applicable Standards	EMC Directive Applicable Standards	Applicable Standards	Certificate No.	Certification Body	
2RK6GN-AWT*	2RK6A-AWT*	UL 1004 UL 2111 CSA C22.2 No. 77 CSA C22.2 No. 100	E64199	UL	EN 60950-1	114919	VDE	EN 60034-1 EN 60034-5 EN 60664-1 EN 60950-1	-	GB12350	-	CQC	A-70
2RK6GN-CWT*	2RK6A-CWT*										-		A-76
4RK25GN-AW2T	4RK25A-AW2T				A-80								
4RK25GN-CW2T	4RK25A-CW2T				A-84								
5RK40GN-AW2T	5RK40A-AW2T				A-88								
5RK40GN-CW2T	5RK40A-CW2T												
5RK60GE-AW2T	5RK60A-AW2T												
5RK60GE-CW2T	5RK60A-CW2T												
5RK90GE-AW2T	5RK90A-AW2T												
5RK90GE-CW3T	5RK90A-CW3T												

*CCC certified components are also available. For details, please contact the nearest Oriental Motor sales office.

ISO 9001,
ISO 14001

Global
Power
Supply
Voltages

Product
Recommendation
Information
Sheets

Discontinued
Products

World K Series Electromagnetic Brake Motors

Product Name		UL/CSA Standards			EN/IEC Standards			CE Marking		China Compulsory Certification System			Page
Pinion Shaft	Round Shaft	Applicable Standards	File No. or Certificate No.	Certification Body	Applicable Standards	License No. or Certificate No.	Certification Body	Low Voltage Directive Applicable Standards	EMC Directive Applicable Standards	Applicable Standards	Certificate No.	Certification Body	
2RK6GN-AW2M	2RK6A-AW2M	UL 1004 UL 2111 CSA C22.2 No. 77 CSA C22.2 No. 100	E64199	UL		-		EN 60034-1 EN 60034-5 EN 60664-1 EN 60950-1	-	GB12350	2003010401091525	CQC	A-100
2RK6GN-CW2M	2RK6A-CW2M										2003010401091527		
2IK6GN-SW2M	2IK6A-SW2M												A-104
3RK15GN-AW2M	3RK15A-AW2M										2003010401091522		
3RK15GN-CW2M	3RK15A-CW2M										2003010401091520		A-108
3IK15GN-SW2M	3IK15A-SW2M										2003010401091522		
4RK25GN-AW2M	4RK25A-AW2M												A-113
4RK25GN-CW2M	4RK25A-CW2M										2003010401091520		
4IK25GN-SW2M	4IK25A-SW2M										2003010401091520		A-118
5RK40GN-AW2M	5RK40A-AW2M										2003010401091522		
5RK40GN-CW2M	5RK40A-CW2M		2003010401091520								A-122		
5IK40GN-SW2M	5IK40A-SW2M		2003010401091522										
5RK60GE-AW2M	5RK60A-AW2M												
5RK60GE-CW2M	5RK60A-CW2M												
5IK60GE-SW2M	5IK60A-SW2M												
5RK90GE-AW2M	5RK90A-AW2M												
5RK90GE-CW2M	5RK90A-CW2M												
5IK90GE-SW2M	5IK90A-SW2M												

Product
Index

World K Series Electromagnetic Brake Motors Terminal Box Type

Product Name	UL/CSA Standards			EN/IEC Standards			CE Marking		China Compulsory Certification System			Page																	
	Applicable Standards	File No. or Certificate No.	Certification Body	Applicable Standard	License No. or Certificate No.	Certification Body	Low Voltage Directive Applicable Standards	EMC Directive Applicable Standards	Applicable Standard	Certificate No.	Certification Body																		
2RK6GN-AW2MB	UL 1004 UL 2111 CSA C22.2 No. 77 CSA C22.2 No. 100	E64199	UL	-	-	-	EN 60034-1 EN 60034-5 EN 60664-1 EN 60950-1	-	GB12350	CQC	2003010401091525	A-128																	
2RK6A-AW2MB													E64197	2003010401091527															
2RK6GN-CW2MB															2003010401091522	A-130													
2RK6A-CW2MB																	2003010401091520	A-132											
2IK6GN-SW2MB																			2003010401091522	A-134									
2IK6A-SW2MB																					2003010401091520	A-132							
3RK15GN-AW2MB																							2003010401091522	A-134					
3RK15A-AW2MB																									2003010401091520	A-132			
3RK15GN-CW2MB																											2003010401091522	A-134	
3RK15A-CW2MB																													2003010401091520
3IK15GN-SW2MB		2003010401091522																											
3IK15A-SW2MB													2003010401091520	A-132															
4RK25GN-AW2MB															2003010401091522	A-134													
4RK25A-AW2MB																	2003010401091520	A-132											
4RK25GN-CW2MB																			2003010401091522	A-134									
4RK25A-CW2MB																					2003010401091520	A-132							
4IK25GN-SW2MB																							2003010401091522	A-134					
4IK25A-SW2MB																									2003010401091520	A-132			
5RK40GN-AW2MB																											2003010401091522	A-134	
5RK40A-AW2MB																													2003010401091520
5RK40GN-CW2MB	2003010401091522	A-134																											
5RK40A-CW2MB			2003010401091520	A-132																									
5IK40GN-SW2MB					2003010401091522	A-134																							
5IK40A-SW2MB							2003010401091520	A-132																					

- A number indicating the gear ratio is entered where the box is located within the product name.
- Certification regarding various safety standards is acquired for the motor product name.
- The round shaft type (**2IK6A-SW2MB**, **3IK15A-SW2MB**, **4IK25A-SW2MB**, **5IK40A-SW2MB**) motors display the PSE mark (PSE) that is based on the Electrical Appliance and Material Safety Law (Electrical appliances other than the specific electrical appliance)

BH Series Induction Motors

Product Name	Motor Product Name	UL/CSA Standards			EN/IEC Standards			CE Marking		China Compulsory Certification System			Page
		Applicable Standards	File No. or Certificate No.	Certification Body	Applicable Standard	License No. or Certificate No.	Certification Body	Low Voltage Directive Applicable Standards	EMC Directive Applicable Standards	Applicable Standard	Certificate No.	Certification Body	
BHI62F-<input type="checkbox"/>	BHI62F-G2	UL 1004 UL 2111 CSA C22.2 No. 77 CSA C22.2 No. 100	E64197	UL	-	-	EN 60034-1 EN 60034-5 EN 60664-1 EN 60950-1	-	GB12350	CQC	2003010401091522	A-50	
BHI62FT-<input type="checkbox"/>	BHI62FT-G2												
BHI62F-A	-												
BHI62FT-A	-												
BHI62E-<input type="checkbox"/>	BHI62E-G2												
BHI62ET-<input type="checkbox"/>	BHI62ET-G2												
BHI62E-A	-												
BHI62ET-A	-												
BHI62S-<input type="checkbox"/>	BHI62S-G2												
BHI62ST-<input type="checkbox"/>	BHI62ST-G2												
BHI62S-A	-												
BHI62ST-A	-												
BHI62U-<input type="checkbox"/>	BHI62U-G2	-	-	-	-	-	-	-	-	-	Applied*		
BHI62UT2-<input type="checkbox"/>	BHI62UT2-G2												
BHI62U-A	-												
BHI62UT2-A	-												

- A number indicating the gear ratio is entered where the box is located within the product name.
- Either **RH** or **RA** is entered where the box is located within the product name when it is a right-angle shaft type.
- Certification regarding various safety standards is acquired for the motor product name.
- The round shaft type terminal box (**BHI62ST-A**) motor displays the PSE mark (PSE) that is based on the Electrical Appliance and Material Safety Law (Electrical appliances other than the specific electrical appliance).

*These products are currently awaiting certification under the China Compulsory Certification (CCC) System. For details, please contact the nearest Oriental Motor Sales office.

BH Series Electromagnetic Brake Motors

Product Name	Motor Product Name	UL/CSA Standards			EN/IEC Standards			CE Marking		China Compulsory Certification System			Page
		Applicable Standards	File No. or Certificate No.	Certification Body	Applicable Standards	License No. or Certificate No.	Certification Body	Low Voltage Directive Applicable Standards	EMC Directive Applicable Standards	Applicable Standards	Certificate No.	Certification Body	
BHI62FMT-□	BHI62FMT-G2	UL 1004 UL 2111 CSA C22.2 No. 77 CSA C22.2 No. 100	E64197	UL	-	-	EN 60034-1 EN 60034-5 EN 60664-1 EN 60950-1	-	GB12350	2003010401091522	CQC	A-138	
BHI62FMT-A	-												
BHI62EMT-□	BHI62EMT-G2												
BHI62EMT-A	-												
BHI62SMT-□	BHI62SMT-G2												
BHI62SMT-A	-									2003010401091520			

- A number indicating the gear ratio is entered where the box □ is located within the product name.
Either **RH** or **RA** is entered where the box □ is located within the product name when it is a right-angle shaft type.
- Certification regarding various safety standards is acquired for the motor product name.
- The round shaft type terminal box (**BHI62SMT-A**) motor displays the PSE mark (PSE) that is based on the Electrical Appliance and Material Safety Law (Electrical appliances other than the specific electrical appliance).

Low-Speed Synchronous Motors SMK Series

Product Name		UL/CSA Standards			EN/IEC Standards			CE Marking		China Compulsory Certification System			Page
Single Shaft	Double Shaft	Applicable Standards	File No. or Certificate No.	Certification Body	Applicable Standards	License No. or Certificate No.	Certification Body	Low Voltage Directive Applicable Standards	EMC Directive Applicable Standards	Applicable Standards	Certificate No.	Certification Body	
SMK014A-A*	SMK014A-B*	-	-	-	-	-	-	-	-	-	-	-	
SMK0A-□A*	SMK0A-□B*												
SMK014MA-A*	SMK014MA-B*												
SMK237A-A*	SMK237A-B*	UL 519 UL 1004 CSA C22.2 No. 77 CSA C22.2 No. 100	E64199	UL	-	-	-	EN 60950-1	-	-	-	-	A-149
SMK216A-GN*	SMK216A-GNB*												
SMK5100A-A*	SMK5100A-B*	UL 1004 UL 2111 CSA C22.2 No. 77 CSA C22.2 No. 100	E64199	UL	-	-	-	EN 60950 EN 60034-5	-	-	-	-	-
SMK5100C-A*	SMK5100C-B*												
SMK5160A-A*	SMK5160A-B*												
SMK550A-GN*	SMK550A-GNB*												
SMK550C-GN*	SMK550C-GNB*												

- *CCC certified components are also available. For details, please contact the nearest Oriental Motor sales office.
- A number indicating the gear ratio is entered where the box □ is located within the product name.

Torque Motor and Power Controller Packages TM Series

Product Name	Motor Product Name	Power Controller Product Name	UL/CSA Standards			EN/IEC Standards			CE Marking		China Compulsory Certification System			Page								
			Applicable Standards	File No. or Certificate No.	Certification Body	Applicable Standards	License No. or Certificate No.	Certification Body	Low Voltage Directive Applicable Standards	EMC Directive Applicable Standards	Applicable Standards	Certificate No.	Certification Body									
TM203A-GN □	2TK3GN-AW2	TMP-1	Motor UL 1004 UL 2111 CSA C22.2 No. 77 CSA C22.2 No. 100	Motor E64197	UL	-	-	Motor EN 60034-1 EN 60034-5 EN 60664-1 EN 60950-1	Emission EN 61000-6-4 EN 61000-3-2 EN 61000-3-3	Motor GB12350	Motor 2005010401150784	Motor CQC	A-168									
TM203A-A □	2TK3A-AW2	TMP-1																				
TM203C-GN □	2TK3GN-CW2	TMP-1																				
TM203C-A □	2TK3A-CW2	TMP-1																				
TM306A-GN □	3TK6GN-AW2	TMP-1											Power Controller E91291	UL 508	-	-	Power Controller EN 50178 EN 60950-1	Immunity EN 61000-6-2	Power Controller -	Power Controller -	Power Controller -	A-172
TM306A-A □	3TK6A-AW2	TMP-1																				
TM306C-GN □	3TK6GN-CW2	TMP-1																				
TM306C-A □	3TK6A-CW2	TMP-1																				
TM410A-GN □	4TK10GN-AW2	TMP-1																				
TM410A-A □	4TK10A-AW2	TMP-1																				
TM410C-GN □	4TK10GN-CW2	TMP-1																				
TM410C-A □	4TK10A-CW2	TMP-1																				
TM520A-GN □	5TK20GN-AW2	TMP-1																				A-174
TM520A-A □	5TK20A-AW2	TMP-1																				
TM520C-GN □	5TK20GN-CW2	TMP-1																				
TM520C-A □	5TK20A-CW2	TMP-1																				

- Either **U** or **E** indicating the type of included capacitor is entered in the box where □ is located within the product name.
- Certification regarding various safety standards is acquired for the motor name and power controller product name.

Torque Motors World K Series

Product Name		UL/CSA Standards			EN/IEC Standards			CE Marking		China Compulsory Certification System			Page
Pinion Shaft	Round Shaft	Applicable Standards	File No. or Certificate No.	Certification Body	Applicable Standards	License No. or Certificate No.	Certification Body	Low Voltage Directive Applicable Standards	EMC Directive Applicable Standards	Applicable Standards	Certificate No.	Certification Body	
2TK3GN-AW2	2TK3A-AW2	UL 1004 UL 2111 CSA C22.2 No. 77 CSA C22.2 No. 100	E64197	UL	-	-	-	EN 60034-1 EN 60034-5 EN 60664-1 EN 60950-1	-	GB12350	2005010401150784	CQC	A-188
2TK3GN-CW2	2TK3A-CW2												
3TK6GN-AW2	3TK6A-AW2												
3TK6GN-CW2	3TK6A-CW2												
4TK10GN-AW2	4TK10A-AW2												
4TK10GN-CW2	4TK10A-CW2												
5TK20GN-AW2	5TK20A-AW2												
5TK20GN-CW2	5TK20A-CW2												

Watertight, Dust-Resistant Motors FPW Series

Product Name	UL/CSA Standards			EN/IEC Standards			CE Marking		China Compulsory Certification System			Page
	Applicable Standards	File No. or Certificate No.	Certification Body	Applicable Standards	License No. or Certificate No.	Certification Body	Low Voltage Directive Applicable Standards	EMC Directive Applicable Standards	Applicable Standards	Certificate No.	Certification Body	
FPW425A2-□	UL 1004 UL 2111 CSA C22.2 No. 77 CSA C22.2 No. 100	E64197	UL		-		EN 60034-1 EN 60034-5 EN 60664-1	-	GB12350	2006010401173413	CQC	A-198
FPW425C2-□												
FPW425S2-□												
FPW540A2-□												
FPW540C2-□												
FPW540S2-□												
FPW560A2-□												
FPW560C2-□												
FPW560S2-□												
FPW690A2-□												
FPW690C2-□												
FPW690S2-□												

● A number indicating the gear ratio is entered where the box □ is located within the product name.

Brake Pack

Product Name	UL/CSA Standards			EN/IEC Standards			CE Marking		Page
	Applicable Standards	File No. or Certificate No.	Certification Body	Applicable Standards	License No. or Certificate No.	Certification Body	Low Voltage Directive Applicable Standards	EMC Directive Applicable Standards	
SB50W	UL 508 CSA C22.2 No. 14	E91291	UL		-		EN 60950-1 EN 50178	Emission EN 61000-6-4 Immunity EN 61000-6-2	A-241

Brushless Motors AC Power Supply Input BX Series Standard Type

Product Name	Motor Product Name	Driver Product Name	UL/CSA Standards			EN/IEC Standards			CE Marking		Page
			Applicable Standards	File No. or Certificate No.	Certification Body	Applicable Standards	License No. or Certificate No.	Certification Body	Low Voltage Directive Applicable Standards	EMC Directive Applicable Standards	
BX230A-□□	BXM230-GFS	BXD30A-A	Motor UL 60950-1 CSA C22.2 No. 60950-1	Motor E208200	UL	-		Motor EN 60034-1 EN 60034-5 EN 60664-1	Emission EN 61000-6-4	Immunity EN 61000-6-2	B-23
BX230C-□□	BXM230-GFS	BXD30A-C									
BX230A-A	BXM230-A2	BXD30A-A									
BX230C-A	BXM230-A2	BXD30A-C									
BX460A-□□	BXM460-GFS	BXD60A-A									
BX460C-□□	BXM460-GFS	BXD60A-C									
BX460A-A	BXM460-A2	BXD60A-A									
BX460C-A	BXM460-A2	BXD60A-C									
BX5120A-□□□	BXM5120-GFS	BXD120A-A									
BX5120C-□□□	BXM5120-GFS	BXD120A-C									
BX5120A-A	BXM5120-A2	BXD120A-A									
BX5120C-A	BXM5120-A2	BXD120A-C									
BX6200A-□S	BXM6200-GFS	BXD200A-A	Motor UL 1004 CSA C22.2 No. 100	Motor E335369				Driver EN 50178			
BX6200C-□S	BXM6200-GFS	BXD200A-C									
BX6200A-A	BXM6200-A	BXD200A-A									
BX6200C-A	BXM6200-A	BXD200A-C									
BX6400S-□S	BXM6400-GFS	BXD400A-S	Driver UL 508C* CSA C22.2 No. 14	Driver E171462							
BX6400S-A	BXM6400-A	BXD400A-S									

*The UL standard (UL 508C) certifies the maximum surrounding air temperature at 50°C.

● A number indicating the gear ratio is entered where the box □ is located within the product name.

Either **S** when it is a parallel shaft gearhead or **FR** when it is a hollow shaft flat gearhead is entered in the box where □ is located within the product name.

● Certification regarding various safety standards is acquired for the motor product name and driver product name.

● The EMC value changes according to the wiring and layout. Therefore, the final EMC level must be checked with the product incorporated in the user's equipment.

Brushless Motors AC Power Supply Input BX Series Electromagnetic Brake Type

Product Name	Motor Product Name	Driver Product Name	UL/CSA Standards			EN/IEC Standards			CE Marking		Page	
			Applicable Standards	File No. or Certificate No.	Certification Body	Applicable Standards	License No. or Certificate No.	Certification Body	Low Voltage Directive Applicable Standards	EMC Directive Applicable Standards		
BX230AM -□□	BXM230M-GFS	BXD30A-A	Motor UL 60950-1 CSA C22.2 No. 60950-1	Motor E208200	UL	-	Motor EN 60034-1 EN 60034-5 EN 60664-1	Emission EN 61000-6-4	Immunity EN 61000-6-2	B-24		
BX230CM -□□	BXM230M-GFS	BXD30A-C										
BX230AM-A	BXM230M-A2	BXD30A-A										
BX230CM-A	BXM230M-A2	BXD30A-C										
BX460AM -□□	BXM460M-GFS	BXD60A-A										
BX460CM -□□	BXM460M-GFS	BXD60A-C										
BX460AM-A	BXM460M-A2	BXD60A-A										
BX460CM-A	BXM460M-A2	BXD60A-C										
BX5120AM -□□	BXM5120M-GFS	BXD120A-A									Driver UL 508C* CSA C22.2 No. 14	Driver E171462
BX5120CM -□□	BXM5120M-GFS	BXD120A-C										
BX5120AM-A	BXM5120M-A2	BXD120A-A										
BX5120CM-A	BXM5120M-A2	BXD120A-C										
BX6200AM -□S	BXM6200M-GFS	BXD200A-A	Motor UL 1004 CSA C22.2 No. 100	Motor E335369								
BX6200CM -□S	BXM6200M-GFS	BXD200A-C										
BX6200AM-A	BXM6200M-A	BXD200A-A										
BX6200CM-A	BXM6200M-A	BXD200A-C										
BX6400SM -□S	BXM6400M-GFS	BXD400A-S	Driver UL 508C* CSA C22.2 No. 14	Driver E171462								
BX6400SM-A	BXM6400M-A	BXD400A-S										

*The UL standard (UL 508C) certifies the maximum surrounding air temperature at 50°C.

- A number indicating the gear ratio is entered where the box □ is located within the product name.
Either **S** when it is a parallel shaft gearhead or **FR** when it is a hollow shaft flat gearhead is entered in the box where □ is located within the product name.
- Certification regarding various safety standards is acquired for the motor product name and driver product name.
- The EMC value changes according to the wiring and layout. Therefore, the final EMC level must be checked with the product incorporated in the user's equipment.

Brushless Motors AC Power Supply Input BLE Series

Product Name	Motor Product Name	Driver Product Name	UL/CSA Standards			EN/IEC Standards			CE Marking		Page
			Applicable Standards	File No. or Certificate No.	Certification Body	Applicable Standards	License No. or Certificate No.	Certification Body	Low Voltage Directive Applicable Standards	EMC Directive Applicable Standards	
BLE23A □□-◇	BLEM23-GFS	BLED3A	-	-	-	-	Motor EN 60034-1 EN 60034-5 EN 60664-1 EN 60950-1	Emission EN 61000-6-4 EN 61000-3-2 EN 61000-3-3	Immunity EN 61000-6-2	B-52	
BLE23AA -◇	BLEM23-A	BLED3A									
BLE23C □□-◇	BLEM23-GFS	BLED3C									
BLE23CA -◇	BLEM23-A	BLED3C									
BLE23S □□-◇	BLEM23-GFS	BLED3S									
BLE23SA -◇	BLEM23-A	BLED3S									
BLE46A □□-◇	BLEM46-GFS	BLED6A									
BLE46AA -◇	BLEM46-A	BLED6A									
BLE46C □□-◇	BLEM46-GFS	BLED6C									
BLE46CA -◇	BLEM46-A	BLED6C									
BLE46S □□-◇	BLEM46-GFS	BLED6S									
BLE46SA -◇	BLEM46-A	BLED6S									
BLE512A □□-◇	BLEM512-GFS	BLED12A									
BLE512AA -◇	BLEM512-A	BLED12A									
BLE512C □□-◇	BLEM512-GFS	BLED12C									
BLE512CA -◇	BLEM512-A	BLED12C									
BLE512S □□-◇	BLEM512-GFS	BLED12S									
BLE512SA -◇	BLEM512-A	BLED12S									

- A number indicating the gear ratio is entered where the box □ is located within the product name.
Either **S** when it is a parallel shaft gearhead or **F** when it is a hollow shaft flat gearhead is entered in the box where □ is located within the product name.
A number indicating the desired extension cable (included) length of **1** (1 m), **2** (2 m) or **3** (3 m) is entered where the box ◇ is located within the product name.
- Certification regarding various safety standards is acquired for the motor product name and driver product name.
- The EMC value changes according to the wiring and layout. Therefore, the final EMC level must be checked with the product incorporated in the user's equipment.

■ Brushless Motors AC Power Supply Input AXU Series

Product Name	Motor Product Name	Driver Product Name	UL/CSA Standards			EN/IEC Standards			CE Marking		Page						
			Applicable Standards	File No. or Certificate No.	Certification Body	Applicable Standards	License No. or Certificate No.	Certification Body	Low Voltage Directive Applicable Standards	EMC Directive Applicable Standards							
AXU210A-GN	AXUM210-GN	AXUD10A	Motor UL 1950 CSA C22.2 No. 950	Motor E208200	UL	-	Motor EN 60034-1 EN 60034-5 EN 60664-1 EN 60950-1	Emission EN 61000-6-4	Immunity EN 61000-6-2	B-77							
AXU210C-GN	AXUM210-GN	AXUD10C															
AXU210S-GN	AXUM210-GN	AXUD10S															
AXU210A-A	AXUM210-A	AXUD10A															
AXU210C-A	AXUM210-A	AXUD10C															
AXU210S-A	AXUM210-A	AXUD10S															
AXU425A-GN	AXUM425-GN	AXUD25A															
AXU425C-GN	AXUM425-GN	AXUD25C															
AXU425S-GN	AXUM425-GN	AXUD25S															
AXU425A-A	AXUM425-A	AXUD25A															
AXU425C-A	AXUM425-A	AXUD25C															
AXU425S-A	AXUM425-A	AXUD25S															
AXU540A-GN	AXUM540-GN	AXUD40A									Driver UL 508C* CSA C22.2 No. 14	Driver E171462	UL	-	Driver EN 50178 EN 60950-1	Immunity EN 61000-6-2	B-77
AXU540C-GN	AXUM540-GN	AXUD40C															
AXU540S-GN	AXUM540-GN	AXUD40S															
AXU540A-A	AXUM540-A	AXUD40A															
AXU540C-A	AXUM540-A	AXUD40C															
AXU540S-A	AXUM540-A	AXUD40S															
AXU590A-GU	AXUM590-GU	AXUD90A															
AXU590C-GU	AXUM590-GU	AXUD90C															
AXU590S-GU	AXUM590-GU	AXUD90S															
AXU590A-A	AXUM590-A	AXUD90A															
AXU590C-A	AXUM590-A	AXUD90C															
AXU590S-A	AXUM590-A	AXUD90S															

*The UL standard (UL 508C) certifies the maximum surrounding air temperature at 50°C.

● Certification regarding various safety standards is acquired for the motor product name and driver product name.

● The EMC value changes according to the wiring and layout. Therefore, the final EMC level must be checked with the product incorporated in the user's equipment.

■ Brushless Motors AC Power Supply Input FBLII Series

Product Name	Motor Product Name	Driver Product Name	UL/CSA Standards			EN/IEC Standards			CE Marking		Page									
			Applicable Standards	File No. or Certificate No.	Certification Body	Applicable Standards	License No. or Certificate No.	Certification Body	Low Voltage Directive Applicable Standards	EMC Directive Applicable Standards										
FBL575AW-□	FBLM575W-GFB	FBLD75AW	Motor UL 1004 CSA C22.2 No. 100	Motor E335369	UL	EN 60950-1	Motor 142441 Driver 140639	DEMKO	Motor EN 60034-1 EN 60034-5 EN 60664-1 EN 60950-1	-	B-88									
FBL575AW-A	FBLM575W-A	FBLD75AW																		
FBL575CW-□	FBLM575W-GFB	FBLD75CW																		
FBL575CW-A	FBLM575W-A	FBLD75CW																		
FBL575SW-□	FBLM575W-GFB	FBLD75SW																		
FBL575SW-A	FBLM575W-A	FBLD75SW																		
FBL5120AW-□	FBLM5120W-GFB	FBLD120AW										Driver UL 508C* CSA C22.2 No. 14	Driver E171462	UL	EN 60950-1	Motor 142441 Driver 140639	DEMKO	Driver EN 60950-1	-	B-88
FBL5120AW-A	FBLM5120W-A	FBLD120AW																		
FBL5120CW-□	FBLM5120W-GFB	FBLD120CW																		
FBL5120CW-A	FBLM5120W-A	FBLD120CW																		
FBL5120SW-□	FBLM5120W-GFB	FBLD120SW																		
FBL5120SW-A	FBLM5120W-A	FBLD120SW																		
FBL5120SW-□	FBLM5120W-GFB	FBLD120SW																		
FBL5120SW-A	FBLM5120W-A	FBLD120SW																		

*The UL standard (UL 508C) certifies the maximum surrounding air temperature at 50°C.

● A number indicating the gear ratio is entered where the box □ is located within the product name.

● Certification regarding various safety standards is acquired for the motor product name and driver product name.

Brushless Motors DC Power Supply Input BLH Series

Product Name	Motor Product Name	Driver Product Name	UL/CSA Standards			EN/IEC Standards			CE Marking		Page
			Applicable Standards	File No. or Certificate No.	Certification Body	Applicable Standards	License No. or Certificate No.	Certification Body	Low Voltage Directive Applicable Standards	EMC Directive Applicable Standards	
BLH015K -□	BLHM015K-□	BLHD15K	UL 60950-1 CSA C22.2 No. 60950-1	E208200	UL	—	—	—	Emission EN 61000-6-4 Immunity EN 61000-6-2	B-94	
BLH015K-A	BLHM015K-A	BLHD15K									
BLH230K -□□	BLHM230K-GFS	BLHD30K									
BLH230K-A	BLHM230K-A	BLHD30K									
BLH450K -□□	BLHM450K-GFS	BLHD50K									
BLH450K-A	BLHM450K-A	BLHD50K									
BLH5100K -□□□	BLHM5100K-GFS	BLHD100K									
BLH5100K-A	BLHM5100K-A	BLHD100K									

- A number indicating the gear ratio is entered in the box where □ is located within the motor product name or product name.
- A code **FR** is entered when it is a hollow shaft flat gearhead in the box where □ is located within the product name.
- Certification regarding various safety standards is acquired for the motor product name and driver product name.
- The EMC value changes according to the wiring and layout. Therefore, the final EMC level must be checked with the product incorporated in the user's equipment.

AC Speed Control Motors MSS-W Series Induction Motors

Product Name	Motor Product Name	Controller Product Name	UL/CSA Standards			EN/IEC Standards			CE Marking		China Compulsory Certification System			Page
			Applicable Standards	File No. or Certificate No.	Certification Body	Applicable Standards	License No. or Certificate No.	Certification Body	Low Voltage Directive Applicable Standards	EMC Directive Applicable Standards	Applicable Standards	Certificate No.	Certification Body	
MSS206-401W2 □	USM206-401W2	MSP-1W	Motor UL 1004 UL 2111 CSA C22.2 No. 77 CSA C22.2 No. 100 Motor E64197 Controller UL 508 CSA C22.2 No. 14	Motor E64199 Controller E91291	UL	—	—	—	—	Motor EN 60034-1 EN 60034-5 EN 60664-1 EN 60950-1	Motor GB12350 Controller —	Motor 2003010401091525 Controller —	Motor 2003010401091522 Controller —	B-116
MSS206-001W2 □	USM206-001W2	MSP-1W												
MSS206-402W2 □	USM206-402W2	MSP-2W												
MSS206-002W2 □	USM206-002W2	MSP-2W												
MSS315-401W2 □	USM315-401W2	MSP-1W												
MSS315-001W2 □	USM315-001W2	MSP-1W												
MSS315-402W2 □	USM315-402W2	MSP-2W												
MSS315-002W2 □	USM315-002W2	MSP-2W												
MSS425-401W2 □	USM425-401W2	MSP-1W												
MSS425-001W2 □	USM425-001W2	MSP-1W												
MSS425-402W2 □	USM425-402W2	MSP-2W												
MSS425-002W2 □	USM425-002W2	MSP-2W												
MSS540-401W2 □	USM540-401W2	MSP-1W												
MSS540-001W2 □	USM540-001W2	MSP-1W												
MSS540-402W2 □	USM540-402W2	MSP-2W												
MSS540-002W2 □	USM540-002W2	MSP-2W												
MSS560-501W2 □	USM560-501W-1	MSP-1W												
MSS560-001W2 □	USM560-001W-1	MSP-1W												
MSS560-502W2 □	USM560-502W-1	MSP-2W												
MSS560-002W2 □	USM560-002W-1	MSP-2W												
MSS590-501W2 □	USM590-501W-1	MSP-1W												
MSS590-001W2 □	USM590-001W-1	MSP-1W												
MSS590-502W2 □	USM590-502W-1	MSP-2W												
MSS590-002W2 □	USM590-002W-1	MSP-2W												

- Either **U** or **E** indicating the type of included capacitor is entered in the box where □ is located within the product name.
- Certification regarding various safety standards is acquired for the motor product name and controller product name.

■ AC Speed Control Motors **MSS-W Series Reversible Motors**

Product Name	Motor Product Name	Controller Product Name	UL/CSA Standards			EN/IEC Standards			CE Marking		China Compulsory Certification System			Page
			Applicable Standards	File No. or Certificate No.	Certification Body	Applicable Standards	License No. or Certificate No.	Certification Body	Low Voltage Directive Applicable Standards	EMC Directive Applicable Standards	Applicable Standards	Certificate No.	Certification Body	
MSS206-411W2 <input type="checkbox"/>	USM206-411W2	MSP-1W	Motor UL 1004 UL 2111 CSA C22.2 No. 77 CSA C22.2 No. 100	Motor E64199 Controller E91291	UL	—	Motor EN 60034-1 EN 60034-5 EN 60664-1 EN 60950-1	—	Motor GB12350 Controller —	Motor 2003010401091525 Controller —	Motor CQC Controller —	B-117		
MSS206-011W2 <input type="checkbox"/>	USM206-011W2	MSP-1W												
MSS206-412W2 <input type="checkbox"/>	USM206-412W2	MSP-2W												
MSS206-012W2 <input type="checkbox"/>	USM206-012W2	MSP-2W												
MSS315-411W2 <input type="checkbox"/>	USM315-411W2	MSP-1W												
MSS315-011W2 <input type="checkbox"/>	USM315-011W2	MSP-1W												
MSS315-412W2 <input type="checkbox"/>	USM315-412W2	MSP-2W												
MSS315-012W2 <input type="checkbox"/>	USM315-012W2	MSP-2W												
MSS425-411W2 <input type="checkbox"/>	USM425-411W2	MSP-1W												
MSS425-011W2 <input type="checkbox"/>	USM425-011W2	MSP-1W												
MSS425-412W2 <input type="checkbox"/>	USM425-412W2	MSP-2W												
MSS425-012W2 <input type="checkbox"/>	USM425-012W2	MSP-2W												
MSS540-411W2 <input type="checkbox"/>	USM540-411W2	MSP-1W												
MSS540-011W2 <input type="checkbox"/>	USM540-011W2	MSP-1W												
MSS540-412W2 <input type="checkbox"/>	USM540-412W2	MSP-2W												
MSS540-012W2 <input type="checkbox"/>	USM540-012W2	MSP-2W												
MSS560-511W2 <input type="checkbox"/>	USM560-511W-1	MSP-1W												
MSS560-011W2 <input type="checkbox"/>	USM560-011W-1	MSP-1W												
MSS560-512W2 <input type="checkbox"/>	USM560-512W-1	MSP-2W												
MSS560-012W2 <input type="checkbox"/>	USM560-012W-1	MSP-2W												
MSS590-511W2 <input type="checkbox"/>	USM590-511W-1	MSP-1W												
MSS590-011W2 <input type="checkbox"/>	USM590-011W-1	MSP-1W												
MSS590-512W2 <input type="checkbox"/>	USM590-512W-1	MSP-2W												
MSS590-012W2 <input type="checkbox"/>	USM590-012W-1	MSP-2W												

- Either **U** or **E** indicating the type of included capacitor is entered in the box where is located within the product name.
- Certification regarding various safety standards is acquired for the motor product name and controller product name.

■ AC Speed Control Motors **US Series**

Product Name	Motor Product Name	Control Unit Product Name	UL/CSA Standards			EN/IEC Standards			CE Marking		China Compulsory Certification System			Page
			Applicable Standards	File No. or Certificate No.	Certification Body	Applicable Standards	License No. or Certificate No.	Certification Body	Low Voltage Directive Applicable Standards	EMC Directive Applicable Standards	Applicable Standards	Certificate No.	Certification Body	
US206-401U2 <input type="checkbox"/>	USM206-401W2	USP206-1U2	Motor UL 1004 UL 2111 CSA C22.2 No. 77 CSA C22.2 No. 100	Motor E64199 Control Unit E91291	UL	—	Motor EN 60034-1 EN 60034-5 EN 60664-1 EN 60950-1	—	Motor GB12350 Control Unit —	Motor 2003010401091525 Control Unit —	Motor CQC Control Unit —	B-135		
US206-001U2 <input type="checkbox"/>	USM206-001W2	USP206-1U2												
US206-402E2 <input type="checkbox"/>	USM206-402W2	USP206-2E2												
US206-002E2 <input type="checkbox"/>	USM206-002W2	USP206-2E2												
US315-401U2 <input type="checkbox"/>	USM315-401W2	USP315-1U2												
US315-001U2 <input type="checkbox"/>	USM315-001W2	USP315-1U2												
US315-402E2 <input type="checkbox"/>	USM315-402W2	USP315-2E2												
US315-002E2 <input type="checkbox"/>	USM315-002W2	USP315-2E2												
US425-401U2 <input type="checkbox"/>	USM425-401W2	USP425-1U2												
US425-001U2 <input type="checkbox"/>	USM425-001W2	USP425-1U2												
US425-402E2 <input type="checkbox"/>	USM425-402W2	USP425-2E2												
US425-002E2 <input type="checkbox"/>	USM425-002W2	USP425-2E2												
US540-401U2 <input type="checkbox"/>	USM540-401W2	USP540-1U2												
US540-001U2 <input type="checkbox"/>	USM540-001W2	USP540-1U2												
US540-402E2 <input type="checkbox"/>	USM540-402W2	USP540-2E2												
US540-002E2 <input type="checkbox"/>	USM540-002W2	USP540-2E2												
US560-501U2 <input type="checkbox"/>	USM560-501W-1	USP560-1U2												
US560-001U2 <input type="checkbox"/>	USM560-001W-1	USP560-1U2												
US560-502E2 <input type="checkbox"/>	USM560-502W-1	USP560-2E2												
US560-002E2 <input type="checkbox"/>	USM560-002W-1	USP560-2E2												
US590-501U2 <input type="checkbox"/>	USM590-501W-1	USP590-1U2												
US590-001U2 <input type="checkbox"/>	USM590-001W-1	USP590-1U2												
US590-502E2 <input type="checkbox"/>	USM590-502W-1	USP590-2E2												
US590-002E2 <input type="checkbox"/>	USM590-002W-1	USP590-2E2												

- Certification regarding various safety standards is acquired for the motor product name and control unit product name.

AC Speed Controllers Standards Compliant Speed Controllers ES01/ES02

Product Name	UL/CSA Standards			EN/IEC Standards			CE Marking		Page
	Applicable Standards	File No. or Certificate No.	Certification Body	Applicable Standards	License No. or Certificate No.	Certification Body	Low Voltage Directive Applicable Standards	EMC Directive Applicable Standards	
ES01	UL 508 CSA C22.2 No. 14	E91291	UL		-		EN 60950-1 EN 50178	Emission EN 61000-6-4 Immunity EN 61000-6-2	B-146
ES02									

● The EMC value changes according to the wiring and layout. Therefore, the final EMC level must be checked with the product incorporated in the user's equipment.

AC Speed Control Motors World K Series Induction Motors

Product Name		UL/CSA Standards			EN/IEC Standards			CE Marking		China Compulsory Certification System			Page
Pinion Shaft	Round Shaft	Applicable Standards	File No. or Certificate No.	Certification Body	Applicable Standards	License No. or Certificate No.	Certification Body	Low Voltage Directive Applicable Standards	EMC Directive Applicable Standards	Applicable Standards	Certificate No.	Certification Body	
2IK6RGN-AW2	2IK6RA-AW2	UL 1004 UL 2111 CSA C22.2 No. 77 CSA C22.2 No. 100	E64199	UL		-		EN 60034-1 EN 60034-5 EN 60664-1 EN 60950-1	-	GB12350	2003010401091525	CQC	B-150
2IK6RGN-CW2	2IK6RA-CW2												
3IK15RGN-AW2	3IK15RA-AW2												
3IK15RGN-CW2	3IK15RA-CW2												
4IK25RGN-AW2	4IK25RA-AW2												
4IK25RGN-CW2	4IK25RA-CW2												
5IK40RGN-AW2	5IK40RA-AW2												
5IK40RGN-CW2	5IK40RA-CW2												
5IK60RGU-AW*	5IK60RA-AW*							EN 60034-1 EN 60034-5 EN 60664-1 EN 60950-1 IEC 60034-11	-	-	-	-	
5IK60RGU-CW*	5IK60RA-CW*												

*CCC certified components are also available. For details, please contact the nearest Oriental Motor sales office.

AC Speed Control Motors World K Series Reversible Motors

Product Name		UL/CSA Standards			EN/IEC Standards			CE Marking		China Compulsory Certification System			Page
Pinion Shaft	Round Shaft	Applicable Standards	File No. or Certificate No.	Certification Body	Applicable Standards	License No. or Certificate No.	Certification Body	Low Voltage Directive Applicable Standards	EMC Directive Applicable Standards	Applicable Standards	Certificate No.	Certification Body	
2RK6RGN-AW2	2RK6RA-AW2	UL 1004 UL 2111 CSA C22.2 No. 77 CSA C22.2 No. 100	E64199	UL		-		EN 60034-1 EN 60034-5 EN 60664-1 EN 60950-1	-	GB12350	2003010401091525	CQC	B-151
2RK6RGN-CW2	2RK6RA-CW2												
3RK15RGN-AW2	3RK15RA-AW2												
3RK15RGN-CW2	3RK15RA-CW2												
4RK25RGN-AW2	4RK25RA-AW2												
4RK25RGN-CW2	4RK25RA-CW2												
5RK40RGN-AW2	5RK40RA-AW2												
5RK40RGN-CW2	5RK40RA-CW2												
5RK60RGU-AW*	5RK60RA-AW*							EN 60034-1 EN 60034-5 EN 60664-1 EN 60950-1 IEC 60034-11	-	-	-	-	
5RK60RGU-CW*	5RK60RA-CW*												

*CCC certified components are also available. For details, please contact the nearest Oriental Motor sales office.

Inverters FE100/FE200

Product Name	UL/CSA Standards			EN/IEC Standards			CE Marking		Page
	Applicable Standards	File No. or Certificate No.	Certification Body	Applicable Standards	License No. or Certificate No.	Certification Body	Low Voltage Directive Applicable Standards	EMC Directive Applicable Standards	
FE100A	UL 508C* CSA C22.2 No. 14	E171462	UL		-		EN 50178	Emission EN 61000-6-4 Immunity EN 61000-6-2	B-172
FE100C									
FE100S									
FE200A									
FE200C									
FE200S									

*The UL standard (UL 508C) certifies the maximum surrounding air temperature at 50°C.

● The EMC value changes according to the wiring and layout. Therefore, the final EMC level must be checked with the product incorporated in the user's equipment.

RoHS
Directive
Compliance

Safety
Standards

List of Safety
Standard
Approved
Products

ISO 9001,
ISO 14001

Global
Power
Supply
Voltages

Product
Recommendation
Information
Sheets

Discontinued
Products

Product
Index

Inverters BHF Series

Product Name	Motor Product Name	Inverter Product Name	UL/CSA Standards			CE Marking		China Compulsory Certification System			Page
			Applicable Standards	File No. or Certificate No.	Certification Body	Low Voltage Directive Applicable Standards	EMC Directive Applicable Standards	Applicable Standards	Certificate No.	Certification Body	
BHF62AT -□□	BHM62T-G2	FSP200-1	Motor UL 1004 UL 2111 CSA C22.2 No. 77 CSA C22.2 No. 100 Inverter UL 508C*1 CSA C22.2 No. 14	Motor E64197	UL	Motor EN 60034-1 EN 60034-5 EN 60664-1 EN 60950-1	Emission EN 61000-6-4	Motor GB14711	Motor Applied*2	Motor CQC	B-183
BHF62AT-A	BHM62T-A										
BHF62CT -□□	BHM62T-G2	FSP200-2									
BHF62CT-A	BHM62T-A										
BHF62ST -□□	BHM62T-G2	FSP200-3									
BHF62ST-A	BHM62T-A										

*1 The UL standard (UL 508C) certifies the maximum surrounding air temperature at 50°C.

*2 These products are currently awaiting certification under the China Compulsory Certification (CCC) System. For details, please contact the nearest Oriental Motor Sales office.

● A number indicating the gear ratio is entered where the box □ is located within the product name.

Either **RH** or **RA** is entered where the box □ is located within the product name when it is a right-angle shaft type.

● Certification regarding various safety standards is acquired for the motor product name and inverter product name.

● The EMC value changes according to the wiring and layout. Therefore, the final EMC level must be checked with the product incorporated in the user's equipment.

Inverters BHF Series Electromagnetic Brake Type

Product Name	Motor Product Name	Inverter Product Name	UL/CSA Standards			CE Marking		China Compulsory Certification System			Page
			Applicable Standards	File No. or Certificate No.	Certification Body	Low Voltage Directive Applicable Standards	EMC Directive Applicable Standards	Applicable Standards	Certificate No.	Certification Body	
BHF62AMT -□□	BHM62MT-G2	FSP200-1	Motor UL 1004 UL 2111 CSA C22.2 No. 77 CSA C22.2 No. 100 Inverter UL 508C*1 CSA C22.2 No. 14	Motor E64197	UL	Motor EN 60034-1 EN 60034-5 EN 60664-1 EN 60950-1	Emission EN 61000-6-4	Motor GB14711	Motor Applied*2	Motor CQC	B-183
BHF62AMT-A	BHM62MT-A										
BHF62CMT -□□	BHM62MT-G2	FSP200-2									
BHF62CMT-A	BHM62MT-A										
BHF62SMT -□□	BHM62MT-G2	FSP200-3									
BHF62SMT-A	BHM62MT-A										

*1 The UL standard (UL 508C) certifies the maximum surrounding air temperature at 50°C.

*2 These products are currently awaiting certification under the China Compulsory Certification (CCC) System. For details, please contact the nearest Oriental Motor Sales office.

● A number indicating the gear ratio is entered where the box □ is located within the product name.

Either **RH** or **RA** is entered where the box □ is located within the product name when it is a right-angle shaft type.

● Certification regarding various safety standards is acquired for the motor product name and inverter product name.

● The EMC value changes according to the wiring and layout. Therefore, the final EMC level must be checked with the product incorporated in the user's equipment.

Stepping Motor and Driver Packages *αSTEP* AC Power Supply Input **ARL Series** Pulse Input Type

Type	Product Name	Motor Product Name	Driver Product Name	UL/CSA Standards			EN/IEC Standards			CE Marking		Page
				Applicable Standards	File No. or Certificate No.	Certification Body	Applicable Standards	License No. or Certificate No.	Certification Body	Low Voltage Directive Applicable Standards	EMC Directive Applicable Standards	
Standard □42 mm	ARL46 □ A -◇	ARLM46□A	ARLD13A-A									
	ARL46 □ C -◇	ARLM46□C	ARLD07A-C									
	ARL46 □ S -◇	ARLM46□S	ARLD07A-S									
Standard □60 mm	ARL66 □ A -◇	ARLM66□A	ARLD24A-A									
	ARL66 □ C -◇	ARLM66□C	ARLD12A-C									
	ARL66 □ S -◇	ARLM66□S	ARLD12A-S									
	ARL69 □ A -◇	ARLM69□A	ARLD30D-A									
	ARL69 □ C -◇	ARLM69□C	ARLD16D-C									
	ARL69 □ S -◇	ARLM69□S	ARLD16D-S									
Standard □85 mm	ARL911 □ A -◇	ARLM911□A	ARLD30E-A									
	ARL911 □ C -◇	ARLM911□C	ARLD20A-C									
	ARL911 □ S -◇	ARLM911□S	ARLD20A-S									
	ARL98 □ A -◇	ARLM98□A	ARLD30A-A									
	ARL98 □ C -◇	ARLM98□C	ARLD16A-C									
	ARL98 □ S -◇	ARLM98□S	ARLD16A-S									
TH Geared □42 mm	ARL46 □ A-T □-◇	ARLM46□A-T□	ARLD13□A									
	ARL46 □ C-T □-◇	ARLM46□C-T□	ARLD07□C									
	ARL46 □ S-T □-◇	ARLM46□S-T□	ARLD07□S									
TH Geared □60 mm	ARL66 □ A-T □-◇	ARLM66□A-T□	ARLD24□A									
	ARL66 □ C-T □-◇	ARLM66□C-T□	ARLD12□C									
	ARL66 □ S-T □-◇	ARLM66□S-T□	ARLD12□S									
TH Geared □90 mm	ARL98 □ A-T □-◇	ARLM98□A-T□	ARLD30□A									
	ARL98 □ C-T □-◇	ARLM98□C-T□	ARLD16□C									
	ARL98 □ S-T □-◇	ARLM98□S-T□	ARLD16□S									
PS Geared □42 mm	ARL46 □ A-PS □-◇	ARLM46□A-PS□	ARLD13□A									
	ARL46 □ C-PS □-◇	ARLM46□C-PS□	ARLD07□C									
	ARL46 □ S-PS □-◇	ARLM46□S-PS□	ARLD07□S									
PS Geared □60 mm	ARL66 □ A-PS □-◇	ARLM66□A-PS□	ARLD24□A									
	ARL66 □ C-PS □-◇	ARLM66□C-PS□	ARLD12□C									
	ARL66 □ S-PS □-◇	ARLM66□S-PS□	ARLD12□S									
PS Geared □90 mm	ARL98 □ A-PS □-◇	ARLM98□A-PS□	ARLD30□A									
	ARL98 □ C-PS □-◇	ARLM98□C-PS□	ARLD16□C									
	ARL98 □ S-PS □-◇	ARLM98□S-PS□	ARLD16□S									
PN Geared □42 mm	ARL46 □ A-N □-◇	ARLM46□A-N□	ARLD13A-A									
	ARL46 □ C-N □-◇	ARLM46□C-N□	ARLD07A-C									
	ARL46 □ S-N □-◇	ARLM46□S-N□	ARLD07A-S									
PN Geared □60 mm	ARL66 □ A-N □-◇	ARLM66□A-N□	ARLD24□A									
	ARL66 □ C-N □-◇	ARLM66□C-N□	ARLD12□C									
	ARL66 □ S-N □-◇	ARLM66□S-N□	ARLD12□S									
PN Geared □90 mm	ARL98 □ A-N □-◇	ARLM98□A-N□	ARLD30□A									
	ARL98 □ C-N □-◇	ARLM98□C-N□	ARLD16□C									
	ARL98 □ S-N □-◇	ARLM98□S-N□	ARLD16□S									
Harmonic Geared □42 mm	ARL46 □ A-H □-◇	ARLM46□A-H□	ARLD13A-A									
	ARL46 □ C-H □-◇	ARLM46□C-H□	ARLD07A-C									
	ARL46 □ S-H □-◇	ARLM46□S-H□	ARLD07A-S									
Harmonic Geared □60 mm	ARL66 □ A-H □-◇	ARLM66□A-H□	ARLD24□A									
	ARL66 □ C-H □-◇	ARLM66□C-H□	ARLD12□C									
	ARL66 □ S-H □-◇	ARLM66□S-H□	ARLD12□S									
Harmonic Geared □90 mm	ARL98 □ A-H □-◇	ARLM98□A-H□	ARLD30B-A									
	ARL98 □ C-H □-◇	ARLM98□C-H□	ARLD16B-C									
	ARL98 □ S-H □-◇	ARLM98□S-H□	ARLD16B-S									

- A number indicating the gear ratio is entered in the box where □ is located within the motor product name or product name.
- Either **A** (Single shaft), **B** (Double shaft), or **M** (Electromagnetic brake) indicating the type is entered in the box where □ is located within the motor product name or the standard type □ 42 mm or □ 60 mm within the product name.
- Either **A** (Single shaft) or **B** (Double shaft) indicating the type is entered in the box where □ is located within the motor product name or the standard type □ 85 mm within the product name.
- Either **A** (Single shaft) or **M** (Electromagnetic brake) indicating the type is entered in the box where □ is located within the motor product name or the geared type product name.
- A number indicating the desired length of **1** (1 m), **2** (2 m) or **3** (3 m) for the cable included with the product is entered where the box ◇ is located within the product name.
- Either **A**, **B**, **C**, **D**, or **E** indicating the driver type is entered in the box where □ is located within the driver product name.
- The EMC value changes according to the wiring and layout. Therefore, the final EMC level must be checked with the product incorporated in the user's equipment.

RoHS Directive Compliance
 Safety Standards
 List of Safety Standard Approved Products
 ISO 9001, ISO 14001
 Global Power Supply Voltages
 Product Recommendation Information Sheets
 Discontinued Products
 Product Index

Stepping Motor and Driver Packages *αSTEP* AC Power Supply Input **ARL Series** Built-in Controller Type

Type	Product Name	Motor Product Name	Driver Product Name	UL/CSA Standards			EN/IEC Standards			CE Marking		Page	
				Applicable Standards	File No. or Certificate No.	Certification Body	Applicable Standards	License No. or Certificate No.	Certification Body	Low Voltage Directive	EMC Directive		
										Applicable Standards	Applicable Standards		
Standard □42 mm	ARL46 □ AD -◇	ARLM46□A	ARLD13A-AD									C-35	
	ARL46 □ CD -◇	ARLM46□C	ARLD07A-CD										
Standard □60 mm	ARL66 □ AD -◇	ARLM66□A	ARLD24A-AD										
	ARL66 □ CD -◇	ARLM66□C	ARLD12A-CD										
	ARL69 □ AD -◇	ARLM69□A	ARLD30D-AD										
	ARL69 □ CD -◇	ARLM69□C	ARLD16D-CD										
Standard □85 mm	ARL911 □ AD -◇	ARLM911□A	ARLD30E-AD										
	ARL911 □ CD -◇	ARLM911□C	ARLD20A-CD										
	ARL98 □ AD -◇	ARLM98□A	ARLD30A-AD										
TH Geared □42 mm	ARL46 □ AD-T □-◇	ARLM46□A-T□	ARLD13□-AD										C-36
	ARL46 □ CD-T □-◇	ARLM46□C-T□	ARLD07□-CD										
TH Geared □60 mm	ARL66 □ AD-T □-◇	ARLM66□A-T□	ARLD24□-AD										C-37
	ARL66 □ CD-T □-◇	ARLM66□C-T□	ARLD12□-CD										
TH Geared □90 mm	ARL98 □ AD-T □-◇	ARLM98□A-T□	ARLD30□-AD										C-38
	ARL98 □ CD-T □-◇	ARLM98□C-T□	ARLD16□-CD										
PS Geared □42 mm	ARL46 □ AD-PS □-◇	ARLM46□A-PS□	ARLD13□-AD										C-39
	ARL46 □ CD-PS □-◇	ARLM46□C-PS□	ARLD07□-CD										
PS Geared □60 mm	ARL66 □ AD-PS □-◇	ARLM66□A-PS□	ARLD24□-AD										C-40
	ARL66 □ CD-PS □-◇	ARLM66□C-PS□	ARLD12□-CD										
PS Geared □90 mm	ARL98 □ AD-PS □-◇	ARLM98□A-PS□	ARLD30□-AD										C-41
	ARL98 □ CD-PS □-◇	ARLM98□C-PS□	ARLD16□-CD										
PN Geared □42 mm	ARL46 □ AD-N □-◇	ARLM46□A-N□	ARLD13A-AD									C-42	
	ARL46 □ CD-N □-◇	ARLM46□C-N□	ARLD07A-CD										
PN Geared □60 mm	ARL66 □ AD-N □-◇	ARLM66□A-N□	ARLD24□-AD									C-43	
	ARL66 □ CD-N □-◇	ARLM66□C-N□	ARLD12□-CD										
PN Geared □90 mm	ARL98 □ AD-N □-◇	ARLM98□A-N□	ARLD30□-AD									C-44	
	ARL98 □ CD-N □-◇	ARLM98□C-N□	ARLD16□-CD										
Harmonic Geared □42 mm	ARL46 □ AD-H □-◇	ARLM46□A-H□	ARLD13A-AD									C-45	
	ARL46 □ CD-H □-◇	ARLM46□C-H□	ARLD07A-CD										
Harmonic Geared □60 mm	ARL66 □ AD-H □-◇	ARLM66□A-H□	ARLD24□-AD										
	ARL66 □ CD-H □-◇	ARLM66□C-H□	ARLD12□-CD										
Harmonic Geared □90 mm	ARL98 □ AD-H □-◇	ARLM98□A-H□	ARLD30B-AD										
	ARL98 □ CD-H □-◇	ARLM98□C-H□	ARLD16B-CD										

- A number indicating the gear ratio is entered in the box where □ is located within the motor product name or product name.
 Either **A** (Single shaft), **B** (Double shaft), or **M** (Electromagnetic brake) indicating the type is entered in the box where □ is located within the motor product name or the standard type □ 42 mm or □ 60 mm within the product name.
- Either **A** (Single shaft) or **B** (Double shaft) indicating the type is entered in the box where □ is located within the motor product name or the standard type □ 85 mm within the product name.
- Either **A** (Single shaft) or **M** (Electromagnetic brake) indicating the type is entered in the box where □ is located within the motor product name or the geared type product name.
- A number indicating the desired length of **1** (1 m), **2** (2 m) or **3** (3 m) for the cable included with the product is entered where the box ◇ is located within the product name.
- Either **A**, **B**, **C**, **D**, or **E** indicating the driver type is entered in the box where □ is located within the driver product name.
- The EMC value changes according to the wiring and layout. Therefore, the final EMC level must be checked with the product incorporated in the user's equipment.

Stepping Motor and Driver Packages *αSTEP* AC Power Supply Input **ARL Series** CC-Link Compatible

Type	Product Name	Motor Product Name	Driver Product Name	UL/CSA Standards			EN/IEC Standards			CE Marking		Page
				Applicable Standards	File No. or Certificate No.	Certification Body	Applicable Standards	License No. or Certificate No.	Certification Body	Low Voltage Directive	EMC Directive	
										Applicable Standards	Applicable Standards	
Standard □42 mm	ARL46 □ AC -◇	ARLM46□A	ARLD13A-ACC							Motor EN 60950-1 EN 60034-1 EN 60034-5 EN 60664-1 Driver EN 50178	Emission EN 61000-6-4 Immunity EN 61000-6-2	C-35
	ARL46 □ CC -◇	ARLM46□C	ARLD07A-CCC									
Standard □60 mm	ARL66 □ AC -◇	ARLM66□A	ARLD24A-ACC									
	ARL66 □ CC -◇	ARLM66□C	ARLD12A-CCC									
	ARL69 □ AC -◇	ARLM69□A	ARLD30D-ACC									
Standard □85 mm	ARL69 □ CC -◇	ARLM69□C	ARLD16D-CCC									
	ARL911 □ AC -◇	ARLM911□A	ARLD30E-ACC									
	ARL911 □ CC -◇	ARLM911□C	ARLD20A-CCC									
TH Geared □42 mm	ARL98 □ AC -◇	ARLM98□A	ARLD30A-ACC									
	ARL98 □ CC -◇	ARLM98□C	ARLD16A-CCC									
TH Geared □60 mm	ARL46 □ AC -T□-◇	ARLM46□A-T□	ARLD13□-ACC									
	ARL46 □ CC -T□-◇	ARLM46□C-T□	ARLD07□-CCC									
TH Geared □90 mm	ARL66 □ AC -T□-◇	ARLM66□A-T□	ARLD24□-ACC									
	ARL66 □ CC -T□-◇	ARLM66□C-T□	ARLD12□-CCC									
PS Geared □42 mm	ARL98 □ AC -T□-◇	ARLM98□A-T□	ARLD30□-ACC									
	ARL98 □ CC -T□-◇	ARLM98□C-T□	ARLD16□-CCC									
PS Geared □60 mm	ARL46 □ AC -PS□-◇	ARLM46□A-PS□	ARLD13□-ACC									
	ARL46 □ CC -PS□-◇	ARLM46□C-PS□	ARLD07□-CCC									
PS Geared □90 mm	ARL66 □ AC -PS□-◇	ARLM66□A-PS□	ARLD24□-ACC									
	ARL66 □ CC -PS□-◇	ARLM66□C-PS□	ARLD12□-CCC									
PN Geared □42 mm	ARL98 □ AC -PS□-◇	ARLM98□A-PS□	ARLD30□-ACC									
	ARL98 □ CC -PS□-◇	ARLM98□C-PS□	ARLD16□-CCC									
PN Geared □60 mm	ARL46 □ AC -N□-◇	ARLM46□A-N□	ARLD13A-ACC									
	ARL46 □ CC -N□-◇	ARLM46□C-N□	ARLD07A-CCC									
PN Geared □90 mm	ARL66 □ AC -N□-◇	ARLM66□A-N□	ARLD24□-ACC									
	ARL66 □ CC -N□-◇	ARLM66□C-N□	ARLD12□-CCC									
Harmonic Geared □42 mm	ARL98 □ AC -N□-◇	ARLM98□A-N□	ARLD30□-ACC									
	ARL98 □ CC -N□-◇	ARLM98□C-N□	ARLD16□-CCC									
Harmonic Geared □60 mm	ARL46 □ AC -H□-◇	ARLM46□A-H□	ARLD13A-ACC									
	ARL46 □ CC -H□-◇	ARLM46□C-H□	ARLD07A-CCC									
Harmonic Geared □90 mm	ARL66 □ AC -H□-◇	ARLM66□A-H□	ARLD24□-ACC									
	ARL66 □ CC -H□-◇	ARLM66□C-H□	ARLD12□-CCC									
Harmonic Geared □60 mm	ARL98 □ AC -H□-◇	ARLM98□A-H□	ARLD30B-ACC									
	ARL98 □ CC -H□-◇	ARLM98□C-H□	ARLD16B-CCC									

- A number indicating the gear ratio is entered in the box where □ is located within the motor product name or product name.
Either **A** (Single shaft), **B** (Double shaft), or **M** (Electromagnetic brake) indicating the type is entered in the box where □ is located within the motor product name or the standard type □ 42 mm or □ 60 mm product name.
- Either **A** (Single shaft) or **B** (Double shaft) indicating the type is entered in the box where □ is located within the motor product name or the standard type □85 mm product name.
- Either **A** (Single shaft) or **M** (Electromagnetic brake) indicating the type is entered in the box where □ is located within the motor product name or geared type product name.
- Either **1** (1 m), **2** (2 m), or **3** (3 m) indicating the desired extension cable (included in the product) length is entered in the box where ◇ is located within the product name.
- Either **A**, **B**, **C**, **D**, or **E** indicating the driver type is entered in the box where □ is located within the driver product name.
- The EMC value changes according to the wiring and layout. Therefore, the final EMC level must be checked with the product incorporated in the user's equipment.

RoHS
Directive
Compliance

Safety
Standards

List of Safety
Standard
Approved
Products

ISO 9001,
ISO 14001

Global
Power
Supply
Voltages

Product
Recommendation
Information
Sheets

Discontinued
Products

Product
Index

Stepping Motor and Driver Packages *αSTEP* AC Power Supply Input **ARL Series** MECHATROLINK-II Compatible

Type	Product Name	Motor Product Name	Driver Product Name	UL/CSA Standards			EN/IEC Standards			CE Marking		Page
				Applicable Standards	File No. or Certificate No.	Certification Body	Applicable Standards	License No. or Certificate No.	Certification Body	Low Voltage Directive	EMC Directive	
										Applicable Standards	Applicable Standards	
Standard □42 mm	ARL46 □ AM -◇	ARLM46□A	ARLD13A-AM2								C-35	
	ARL46 □ CM -◇	ARLM46□C	ARLD07A-CM2									
Standard □60 mm	ARL66 □ AM -◇	ARLM66□A	ARLD24A-AM2									
	ARL66 □ CM -◇	ARLM66□C	ARLD12A-CM2									
	ARL69 □ AM -◇	ARLM69□A	ARLD30D-AM2									
	ARL69 □ CM -◇	ARLM69□C	ARLD16D-CM2									
Standard □85 mm	ARL911 □ AM -◇	ARLM911□A	ARLD30E-AM2									
	ARL911 □ CM -◇	ARLM911□C	ARLD20A-CM2									
	ARL98 □ AM -◇	ARLM98□A	ARLD30A-AM2									
TH Geared □42 mm	ARL46 □ AM-T □-◇	ARLM46□A-T□	ARLD13□-AM2									C-36
	ARL46 □ CM-T □-◇	ARLM46□C-T□	ARLD07□-CM2									
TH Geared □60 mm	ARL66 □ AM-T □-◇	ARLM66□A-T□	ARLD24□-AM2									C-37
	ARL66 □ CM-T □-◇	ARLM66□C-T□	ARLD12□-CM2									
TH Geared □90 mm	ARL98 □ AM-T □-◇	ARLM98□A-T□	ARLD30□-AM2									C-38
	ARL98 □ CM-T □-◇	ARLM98□C-T□	ARLD16□-CM2									
PS Geared □42 mm	ARL46 □ AM-PS □-◇	ARLM46□A-PS□	ARLD13□-AM2									C-39
	ARL46 □ CM-PS □-◇	ARLM46□C-PS□	ARLD07□-CM2									
PS Geared □60 mm	ARL66 □ AM-PS □-◇	ARLM66□A-PS□	ARLD24□-AM2									C-40
	ARL66 □ CM-PS □-◇	ARLM66□C-PS□	ARLD12□-CM2									
PS Geared □90 mm	ARL98 □ AM-PS □-◇	ARLM98□A-PS□	ARLD30□-AM2									C-41
	ARL98 □ CM-PS □-◇	ARLM98□C-PS□	ARLD16□-CM2									
PN Geared □42 mm	ARL46 □ AM-N □-◇	ARLM46□A-N□	ARLD13A-AM2								C-42	
	ARL46 □ CM-N □-◇	ARLM46□C-N□	ARLD07A-CM2									
PN Geared □60 mm	ARL66 □ AM-N □-◇	ARLM66□A-N□	ARLD24□-AM2								C-43	
	ARL66 □ CM-N □-◇	ARLM66□C-N□	ARLD12□-CM2									
PN Geared □90 mm	ARL98 □ AM-N □-◇	ARLM98□A-N□	ARLD30□-AM2								C-44	
	ARL98 □ CM-N □-◇	ARLM98□C-N□	ARLD16□-CM2									
Harmonic Geared □42 mm	ARL46 □ AM-H □-◇	ARLM46□A-H□	ARLD13A-AM2								C-45	
	ARL46 □ CM-H □-◇	ARLM46□C-H□	ARLD07A-CM2									
Harmonic Geared □60 mm	ARL66 □ AM-H □-◇	ARLM66□A-H□	ARLD24□-AM2									
	ARL66 □ CM-H □-◇	ARLM66□C-H□	ARLD12□-CM2									
Harmonic Geared □90 mm	ARL98 □ AM-H □-◇	ARLM98□A-H□	ARLD30B-AM2									
	ARL98 □ CM-H □-◇	ARLM98□C-H□	ARLD16B-CM2									

- A number indicating the gear ratio is entered in the box where □ is located within the motor product name or product name.
 Either **A** (Single shaft), **B** (Double shaft), or **M** (Electromagnetic brake) indicating the type is entered in the box where □ is located within the motor product name or the standard type □ 42 mm product name or □ 60 mm product name.
- Either **A** (Single shaft) or **B** (Double shaft) indicating the type is entered in the box where □ is located within the motor product name or the standard type □ 85 mm product name.
- Either **A** (Single shaft) or **M** (Electromagnetic brake) indicating the type is entered in the box where □ is located within the motor product name or geared type product name.
- Either **1** (1 m), **2** (2 m), or **3** (3 m) indicating the desired extension cable (included in the product) length is entered in the box where ◇ is located within the product name.
- Either **A**, **B**, **C**, **D**, or **E** indicating the driver type is entered in the box where □ is located within the driver product name.
- The EMC value changes according to the wiring and layout. Therefore, the final EMC level must be checked with the product incorporated in the user's equipment.

Stepping Motor and Driver Packages **αSTEP** AC Power Supply Input **AS Series** Pulse Input Package

Type	Product Name	Motor Product Name	Driver Product Name	UL/CSA Standards			EN/IEC Standards			CE Marking		Page
				Applicable Standards	File No. or Certificate No.	Certification Body	Applicable Standards	License No. or Certificate No.	Certification Body	Low Voltage Directive	EMC Directive	
										Applicable Standards	Applicable Standards	
Standard □42 mm	AS46 □ A	ASM46□ A	ASD13A-A	Motor UL 1004 UL 2111 Driver UL 508C* CSA C22.2 No. 14								C-88
Standard □60 mm	AS66 □ AE	ASM66□ AE	ASD24A-A	Motor UL 1004 UL 2111 CSA C22.2 No. 100 CSA C22.2 No. 77 Driver UL 508C* CSA C22.2 No. 14	Motor E64199	UL	-	Motor EN 60950-1 EN 60034-1 EN 60034-5 EN 60664-1	Emission EN 61000-6-4	Immunity EN 61000-6-2	Driver EN 60950-1 EN 50178	
	AS66 □ CE	ASM66□ CE	ASD12A-C									
	AS66 □ SE	ASM66□ SE	ASD12A-S									
	AS69 □ AE	ASM69□ AE	ASD30D-A									
	AS69 □ CE	ASM69□ CE	ASD16D-C									
AS69 □ SE	ASM69□ SE	ASD16D-S										
Standard □85 mm	AS98 □ AE	ASM98□ AE	ASD30A-A									
	AS98 □ CE	ASM98□ CE	ASD16A-C									
	AS98 □ SE	ASM98□ SE	ASD16A-S									
	AS911AAE	ASM911AAE	ASD30E-A									
	AS911ACE	ASM911ACE	ASD20A-C									
Standard with Metal Connector □60 mm	AS911ASE	ASM911ASE	ASD20A-S									
	AS66AAT	ASM66AAT	ASD24A-A									
	AS66ACT	ASM66ACT	ASD12A-C									
	AS66AST	ASM66AST	ASD12A-S									
	AS69AAT	ASM69AAT	ASD30D-A									
Standard with Metal Connector □85 mm	AS69ACT	ASM69ACT	ASD16D-C									
	AS69AST	ASM69AST	ASD16D-S									
	AS98AAT	ASM98AAT	ASD30A-A									
	AS98ACT	ASM98ACT	ASD16A-C									
	AS98AST	ASM98AST	ASD16A-S									
	AS911AAT	ASM911AAT	ASD30E-A									
	AS911ACT	ASM911ACT	ASD20A-C									
	AS911AST	ASM911AST	ASD20A-S									
TH Geared □42 mm	AS46 □ A-T □	ASM46□ A-T □	ASD13□-A	Motor UL 1004 UL 2111 Driver UL 508C* CSA C22.2 No. 14							C-89	
TH Geared □60 mm	AS66 □ AE-T □	ASM66□ AE-T □	ASD24□-A	Motor UL 1004 UL 2111 CSA C22.2 No. 100 CSA C22.2 No. 77 Driver UL 508C* CSA C22.2 No. 14	Motor E64199	UL	-	Motor EN 60950-1 EN 60034-1 EN 60034-5 EN 60664-1	Emission EN 61000-6-4	Immunity EN 61000-6-2		Driver EN 60950-1 EN 50178
	AS66 □ CE-T □	ASM66□ CE-T □	ASD12□-C									
	AS66 □ SE-T □	ASM66□ SE-T □	ASD12□-S									
TH Geared □90 mm	AS98 □ AE-T □	ASM98□ AE-T □	ASD30□-A									
	AS98 □ CE-T □	ASM98□ CE-T □	ASD16□-C									
	AS98 □ SE-T □	ASM98□ SE-T □	ASD16□-S									

* The UL standard (UL 508C) certifies the maximum surrounding air temperature at 50°C.

- A number indicating the gear ratio is entered in the box where □ is located within the motor product name or product name.
Either **A** (Single shaft) or **M** (Electromagnetic brake) indicating the type is entered in the box where □ is located within the motor product name or product name.
- Either **A**, **B**, **C**, **D**, or **E** indicating the driver type is entered in the box where □ is located within the driver product name.
- Certification regarding various safety standards is acquired for the motor product name and driver product name.
- The EMC value changes according to the wiring and layout. Therefore, the final EMC level must be checked with the product incorporated in the user's equipment.

RoHS Directive Compliance

Safety Standards

List of Safety Standard Approved Products

ISO 9001, ISO 14001

Global Power Supply Voltages

Product Recommendation Information Sheets

Discontinued Products

Product Index

Type	Product Name	Motor Product Name	Driver Product Name	UL/CSA Standards			EN/IEC Standards			CE Marking		Page	
				Applicable Standards	File No. or Certificate No.	Certification Body	Applicable Standards	License No. or Certificate No.	Certification Body	Low Voltage Directive	EMC Directive		
										Applicable Standards	Applicable Standards		
PL Geared □42 mm	AS46□A-P□	ASM46□A-P□	ASD13□-A	Motor UL 1004 UL 2111	Motor E64199	UL	-	-	-	-	-	C-89	
				Driver UL 508C* CSA C22.2 No. 14									Motor UL 1004 UL 2111
				CSA C22.2 No. 100 CSA C22.2 No. 77									Driver UL 508C* CSA C22.2 No. 14
PL Geared □60 mm	AS66□AE-P□ AS66□CE-P□ AS66□SE-P□	ASM66□AE-P□ ASM66□CE-P□	ASD24□-A ASD12□-C ASD12□-S	Motor UL 1004 UL 2111	Motor E64199	UL	-	-	-	-	-	C-89	
				CSA C22.2 No. 100 CSA C22.2 No. 77									Driver UL 508C* CSA C22.2 No. 14
				Driver UL 508C* CSA C22.2 No. 14									Motor UL 1004 UL 2111
PL Geared □90 mm	AS98□AE-P□ AS98□CE-P□ AS98□SE-P□	ASM98□AE-P□ ASM98□CE-P□	ASD30□-A ASD16□-C ASD16□-S	Motor UL 1004 UL 2111	Motor E64199	UL	-	-	-	-	-	C-89	
				CSA C22.2 No. 100 CSA C22.2 No. 77									Driver UL 508C* CSA C22.2 No. 14
				Driver UL 508C* CSA C22.2 No. 14									Motor UL 1004 UL 2111
PN Geared □42 mm	AS46□A-N□	ASM46□A-N□	ASD13A-A	Motor UL 1004 UL 2111	Motor E64199	UL	-	-	-	-	-	C-90	
				Driver UL 508C* CSA C22.2 No. 14									Motor UL 1004 UL 2111
				CSA C22.2 No. 100 CSA C22.2 No. 77									Driver UL 508C* CSA C22.2 No. 14
PN Geared □60 mm	AS66□AE-N□ AS66□CE-N□ AS66□SE-N□	ASM66□AE-N□ ASM66□CE-N□	ASD24□-A ASD12□-C ASD12□-S	Motor UL 1004 UL 2111	Motor E64199	UL	-	-	-	-	-	C-90	
				CSA C22.2 No. 100 CSA C22.2 No. 77									Driver UL 508C* CSA C22.2 No. 14
				Driver UL 508C* CSA C22.2 No. 14									Motor UL 1004 UL 2111
PN Geared □90 mm	AS98□AE-N□ AS98□CE-N□ AS98□SE-N□	ASM98□AE-N□ ASM98□CE-N□	ASD30□-A ASD16□-C ASD16□-S	Motor UL 1004 UL 2111	Motor E64199	UL	-	-	-	-	-	C-90	
				CSA C22.2 No. 100 CSA C22.2 No. 77									Driver UL 508C* CSA C22.2 No. 14
				Driver UL 508C* CSA C22.2 No. 14									Motor UL 1004 UL 2111
Harmonic Geared □42 mm	AS46□A2-H□	ASM46□A2-H□	ASD13A-A	Motor UL 1004 UL 2111	Motor E64199	UL	-	-	-	-	-	C-90	
				Driver UL 508C* CSA C22.2 No. 14									Motor UL 1004 UL 2111
				CSA C22.2 No. 100 CSA C22.2 No. 77									Driver UL 508C* CSA C22.2 No. 14
Harmonic Geared □60 mm	AS66□AE-H□ AS66□CE-H□ AS66□SE-H□	ASM66□AE-H□ ASM66□CE-H□	ASD24□-A ASD12□-C ASD12□-S	Motor UL 1004 UL 2111	Motor E64199	UL	-	-	-	-	-	C-90	
				CSA C22.2 No. 100 CSA C22.2 No. 77									Driver UL 508C* CSA C22.2 No. 14
				Driver UL 508C* CSA C22.2 No. 14									Motor UL 1004 UL 2111
Harmonic Geared □90 mm	AS98□AE-H□ AS98□CE-H□ AS98□SE-H□	ASM98□AE-H□ ASM98□CE-H□	ASD30B-A ASD16B-C ASD16B-S	Motor UL 1004 UL 2111	Motor E64199	UL	-	-	-	-	-	C-90	
				CSA C22.2 No. 100 CSA C22.2 No. 77									Driver UL 508C* CSA C22.2 No. 14
				Driver UL 508C* CSA C22.2 No. 14									Motor UL 1004 UL 2111

* The UL standard (UL 508C) certifies the maximum surrounding air temperature at 50°C.

● A number indicating the gear ratio is entered in the box where □ is located within the motor product name or product name.

Either **A** (Single shaft) or **M** (Electromagnetic brake) indicating the type is entered in the box where □ is located within the motor product name or product name.

Either **A**, **B**, **C**, **D**, or **E** indicating the driver type is entered in the box where □ is located within the driver product name.

● Certification regarding various safety standards is acquired for the motor product name and driver product name.

● The EMC value changes according to the wiring and layout. Therefore, the final EMC level must be checked with the product incorporated in the user's equipment.

Stepping Motor and Driver Packages *αSTEP* AC Power Supply Input AS Series Built-In Controller Package

Type	Product Name	Motor Product Name	Driver Product Name	UL/CSA Standards			EN/IEC Standards			CE Marking		Page
				Applicable Standards	File No. or Certificate No.	Certification Body	Applicable Standards	License No. or Certificate No.	Certification Body	Low Voltage Directive Applicable Standards	EMC Directive Applicable Standards	
Standard □42 mm	AS46 □ AD	ASM46□ A	ASD13A-AD	Motor UL 1004 UL 2111 Driver UL 508C* CSA C22.2 No. 14	Motor E64199 Driver E171462	UL				Motor EN 60950-1 EN 60034-1 EN 60034-5 EN 60664-1 Driver EN 50178	Emission EN 61000-6-4 Immunity EN 61000-6-2	C-91
Standard □60 mm	AS66 □ AED	ASM66□ AE	ASD24A-AD	Motor UL 1004 UL 2111 CSA C22.2 No. 100 CSA C22.2 No. 77								
	AS66 □ CED	ASM66□ CE	ASD12A-CD									
	AS66 □ SED	ASM66□ SE	ASD12A-SD									
AS69 □ AED	ASM69□ AE	ASD30D-AD										
AS69 □ CED	ASM69□ CE	ASD16D-CD										
AS69 □ SED	ASM69□ SE	ASD16D-SD										
Standard □85 mm	AS98 □ AED	ASM98□ AE	ASD30A-AD	Driver UL 508C* CSA C22.2 No. 14								
	AS98 □ CED	ASM98□ CE	ASD16A-CD									
	AS98 □ SED	ASM98□ SE	ASD16A-SD									
	AS911AAED	ASM911 AAE	ASD30E-AD									
	AS911ACED	ASM911 ACE	ASD20A-CD									
	AS911ASED	ASM911 ASE	ASD20A-SD									
TH Geared □42 mm	AS46 □ AD-T □	ASM46□ A-T □	ASD13□-AD	Motor UL 1004 UL 2111 Driver UL 508C* CSA C22.2 No. 14								
TH Geared □60 mm	AS66 □ AED-T □	ASM66□ AE-T □	ASD24□-AD	Motor UL 1004 UL 2111 CSA C22.2 No. 100 CSA C22.2 No. 77								
	AS66 □ CED-T □	ASM66□ CE-T □	ASD12□-CD									
	AS66 □ SED-T □	ASM66□ SE-T □	ASD12□-SD									
TH Geared □90 mm	AS98 □ AED-T □	ASM98□ AE-T □	ASD30□-AD	Driver UL 508C* CSA C22.2 No. 14								
	AS98 □ CED-T □	ASM98□ CE-T □	ASD16□-CD									
	AS98 □ SED-T □	ASM98□ SE-T □	ASD16□-SD									
PL Geared □42 mm	AS46 □ AD-P □	ASM46□ A-P □	ASD13□-AD	Motor UL 1004 UL 2111 Driver UL 508C* CSA C22.2 No. 14								
PL Geared □60 mm	AS66 □ AED-P □	ASM66□ AE-P □	ASD24□-AD	Motor UL 1004 UL 2111 CSA C22.2 No. 100 CSA C22.2 No. 77								
	AS66 □ CED-P □	ASM66□ CE-P □	ASD12□-CD									
	AS66 □ SED-P □	ASM66□ SE-P □	ASD12□-SD									
PL Geared □90 mm	AS98 □ AED-P □	ASM98□ AE-P □	ASD30□-AD	Driver UL 508C* CSA C22.2 No. 14								
	AS98 □ CED-P □	ASM98□ CE-P □	ASD16□-CD									
	AS98 □ SED-P □	ASM98□ SE-P □	ASD16□-SD									

*The UL Standard (UL 508C) certifies the maximum surrounding air temperature at 40°C.
 ● A number indicating the gear ratio is entered in the box where □ is located within the motor product name or product name.
 Either **A** (Single shaft) or **M** (Electromagnetic brake) indicating the type is entered in the box where □ is located within the motor product name or product name.
 Either **A, B, C, D,** or **E** indicating the driver type is entered in the box where □ is located within the driver product name.
 ● Certification regarding various safety standards is acquired for the motor product name and driver product name.
 ● The EMC value changes according to the wiring and layout. Therefore, the final EMC level must be checked with the product incorporated in the user's equipment.

RoHS Directive Compliance

Safety Standards

List of Safety Standard Approved Products

ISO 9001, ISO 14001

Global Power Supply Voltages

Product Recommendation Information Sheets

Discontinued Products

Product Index

Type	Product Name	Motor Product Name	Driver Product Name	UL/CSA Standards			EN/IEC Standards			CE Marking		Page
				Applicable Standards	File No. or Certificate No.	Certification Body	Applicable Standards	License No. or Certificate No.	Certification Body	Low Voltage Directive	EMC Directive	
										Applicable Standards	Applicable Standards	
PN Geared □42 mm	AS46□AD-N□	ASM46□A-N□	ASD13A-AD	Motor UL 1004 UL 2111 Driver UL 508C* CSA C22.2 No. 14	Motor E64199	UL	-	-	Motor EN 60950-1 EN 60034-1 EN 60034-5 EN 60664-1 Driver EN 50178	Emission EN 61000-6-4 Immunity EN 61000-6-2	C-93	
PN Geared □60 mm	AS66□AED-N□	ASM66□AE-N□	ASD24□-AD	Motor UL 1004 UL 2111 CSA C22.2 No. 100 CSA C22.2 No. 77								
	AS66□CED-N□	ASM66□CE-N□	ASD12□-CD									
	AS66□SED-N□		ASD12□-SD									
PN Geared □90 mm	AS98□AED-N□	ASM98□AE-N□	ASD30□-AD	Driver UL 508C* CSA C22.2 No. 14								
	AS98□CED-N□	ASM98□CE-N□	ASD16□-CD									
	AS98□SED-N□		ASD16□-SD									
Harmonic Geared □42 mm	AS46□AD2-H□	ASM46□A2-H□	ASD13A-AD	Motor UL 1004 UL 2111 Driver UL 508C* CSA C22.2 No. 14								
Harmonic Geared □60 mm	AS66□AED-H□	ASM66□AE-H□	ASD24□-AD	Motor UL 1004 UL 2111 CSA C22.2 No. 100 CSA C22.2 No. 77								
	AS66□CED-H□	ASM66□CE-H□	ASD12□-CD									
	AS66□SED-H□		ASD12□-SD									
Harmonic Geared □90 mm	AS98□AED-H□	ASM98□AE-H□	ASD30B-AD	Driver UL 508C* CSA C22.2 No. 14								
	AS98□CED-H□	ASM98□CE-H□	ASD16B-CD									
	AS98□SED-H□		ASD16B-SD									

*The UL Standard (UL 508C) certifies the maximum surrounding air temperature at 40°C.

● A number indicating the gear ratio is entered in the box where □ is located within the motor product name or product name.

Either **A** (Single shaft) or **M** (Electromagnetic brake) indicating the type is entered in the box where □ is located within the motor product name or product name.

Either **A**, **B**, **C**, **D**, or **E** indicating the driver type is entered in the box where □ is located within the driver product name.

● Certification regarding various safety standards is acquired for the motor product name and driver product name.

● The EMC value changes according to the wiring and layout. Therefore, the final EMC level must be checked with the product incorporated in the user's equipment.

Stepping Motor and Driver Packages *αSTEP* DC Power Supply Input **ASC Series**

Type	Product Name	Motor Product Name	Driver Product Name	UL/CSA Standards			EN/IEC Standards			CE Marking		Page
				Applicable Standards	File No. or Certificate No.	Certification Body	Applicable Standards	License No. or Certificate No.	Certification Body	Low Voltage Directive	EMC Directive	
										Applicable Standards	Applicable Standards	
□28 mm	ASC34AK	ASM34AK	ASD10□-K	Motor UL 60950 CSA C22.2 No. 60950	Motor E208200	UL	-	-	Emission EN 61000-6-4	Immunity EN 61000-6-2	C-102	
	ASC34AK-T□	ASM34AK-T□									C-103	
	ASC34AK-N□	ASM34AK-N□									C-106	
	ASC34AK-H□	ASM34AK-H□									C-109	
	ASC36AK	ASM36AK									C-102	
□42 mm	ASC46□K	ASM46□K	ASD18□-K	Driver UL 1950 CSA C22.2 No. 950 UL 508C* CSA C22.2 No. 14	Driver E208200 E171462	UL	-	-	Emission EN 61000-6-4	Immunity EN 61000-6-2	C-102	
	ASC46□K-T□	ASM46□K-T□									C-104	
	ASC46□K-N□	ASM46□K-N□									C-107	
	ASC46□K-H□	ASM46□K-H□									C-109	
□60 mm	ASC66□K	ASM66□K	ASD36□-K	CSA C22.2 No. 14	-	-	-	-	-	-	C-102	
	ASC66□K-T□	ASM66□K-T□									C-105	
	ASC66□K-N□	ASM66□K-N□									C-108	
	ASC66□K-H□	ASM66□K-H□									C-109	

*The UL Standard (UL 508C) certifies the maximum surrounding air temperature at 40°C.

● A number indicating the gear ratio is entered in the box where □ is located within the motor product name or product name.

Either **A** (Single shaft) or **M** (Electromagnetic brake) indicating the type is entered in the box where □ is located within the motor product name or product name.

Either **A**, **B** or **C** indicating the driver type is entered in the box where □ is located within the driver product name.

● Certification regarding various safety standards is acquired for the motor product name and driver product name.

● The EMC value changes according to the wiring and layout. Therefore, the final EMC level must be checked with the product incorporated in the user's equipment.

Stepping Motor and Driver Packages AC Power Supply Input RK Series

Type	Product Name	Motor Product Name	Driver Product Name	UL/CSA Standards			EN/IEC Standards			CE Marking		Page
				Applicable Standards	File No. or Certificate No.	Certification Body	Applicable Standards	License No. or Certificate No.	Certification Body	Low Voltage Directive Applicable Standards	EMC Directive Applicable Standards	
Standard □42 mm	RK543 □ A	PK543□ W	RKD507-A	Motor UL 1004 UL 2111 Driver UL 508C* CSA C22.2 No. 14		UL	Motor EN 60950-1 EN 60034-1 EN 60034-5 EN 60664-1 Driver -	Motor No. 114293 Driver -	Motor VDE Driver -			C-129
	RK544 □ A	PK544□ W										
	RK545 □ A	PK545□ W										
Standard □60 mm	RK564 □ AE	PK564□ E	RKD514L-A	Motor UL 1004 UL 2111 CSA C22.2 No. 100 CSA C22.2 No. 77		UL	-	-	-			C-130
	RK566 □ AE	PK566□ E										
	RK569 □ AE	PK569□ E										
	RK564 □ CE	PK564□ E										
	RK566 □ CE	PK566□ E										
Standard □85 mm	RK596 □ AE	PK596□ E	RKD514H-A	Driver UL 508C* CSA C22.2 No. 14		UL	-	-	-			C-130
	RK599 □ AE	PK599□ E										
	RK5913 □ AE	PK5913□ E										
	RK596 □ CE	PK596□ E										
	RK599 □ CE	PK599□ E										
Electromagnetic Brake Standard □42 mm	RK543AMA	PK543AWM	RKD507M-A	Motor UL 1004 UL 2111 Driver UL 508C* CSA C22.2 No. 14		UL	Motor EN 60950-1 EN 60034-1 EN 60034-5 EN 60664-1 Driver -	Motor No. 114293 Driver -	Motor VDE Driver -			C-132
	RK544AMA	PK544AWM										
	RK545AMA	PK545AWM										
Electromagnetic Brake Standard □60 mm	RK564AMAE	PK564AEM	RKD514LM-A	Motor UL 1004 UL 2111 CSA C22.2 No. 100 CSA C22.2 No. 77	Motor E64199	UL	-	-	-	Motor EN 60950-1 EN 60034-1 EN 60034-5 EN 60664-1	Emission EN 61000-6-4	C-133
	RK566AMAE	PK566AEM										
	RK569AMAE	PK569AEM										
	RK564AMCE	PK564AEM										
	RK566AMCE	PK566AEM										
Electromagnetic Brake Standard □85 mm	RK596AMAE	PK596AEM	RKD514HM-A	Motor UL 1004 UL 2111 CSA C22.2 No. 100 CSA C22.2 No. 77	Driver E171462	UL	-	-	-	Driver EN 50178	Immunity EN 61000-6-2	C-133
	RK599AMAE	PK599AEM										
	RK5913AMAE	PK5913AEM										
	RK596AMCE	PK596AEM										
	RK599AMCE	PK599AEM										
Standard Terminal Box □60 mm	RK564AAT	PK564AT	RKD514L-A	Driver UL 508C* CSA C22.2 No. 14		UL	-	-	-			C-131
	RK566AAT	PK566AT										
	RK569AAT	PK569AT										
	RK564ACT	PK564AT										
	RK566ACT	PK566AT										
Standard Terminal Box □85 mm	RK596AAT	PK596AT	RKD514H-A	Driver UL 508C* CSA C22.2 No. 14		UL	-	-	-			C-131
	RK599AAT	PK599AT										
	RK5913AAT	PK5913AT										
	RK596ACT	PK596AT										
	RK599ACT	PK599AT										
TH Geared □42 mm	RK543 □ A-T □	PK543□ W-T □	RKD507-A	Motor UL 1004 UL 2111 Driver UL 508C* CSA C22.2 No. 14		UL	Motor EN 60950-1 EN 60034-1 EN 60034-5 EN 60664-1 Driver -	Motor No. 114293 Driver -	Motor VDE Driver -			C-134
TH Geared □60 mm	RK564 □ AE-T □	PK564□ E-T □	RKD514L-A	Motor UL 1004 UL 2111 CSA C22.2 No. 100 CSA C22.2 No. 77		UL	-	-	-			C-135
	RK564 □ CE-T □		RKD514L-C									
TH Geared □90 mm	RK596 □ AE-T □	PK596□ E(1)-T □	RKD514H-A	Driver UL 508C* CSA C22.2 No. 14		UL	-	-	-			C-136
	RK596 □ CE-T □		RKD514H-C									

*The UL standard (UL 508C) certifies the maximum surrounding air temperature at 50°C.

● A number indicating the gear ratio is entered in the box where □ is located within the motor product name or product name.

Either **A** (Single shaft) or **B** (Double shaft) indicating the type is entered in the box where □ is located within the motor product name or the product name.

● Certification regarding various safety standards is acquired for the motor product name and driver product name.

● The EMC value changes according to the wiring and layout. Therefore, the final EMC level must be checked with the product incorporated in the user's equipment.

Type	Product Name	Motor Product Name	Driver Product Name	UL/CSA Standards			EN/IEC Standards			CE Marking		Page		
				Applicable Standards	File No. or Certificate No.	Certification Body	Applicable Standards	License No. or Certificate No.	Certification Body	Low Voltage Directive Applicable Standards	EMC Directive Applicable Standards			
PS Geared □42 mm	RK545 □ A-PS □	PK545□W-PS□	RKD507-A	Motor UL 1004 UL 2111	Motor E64199 Driver E171462	UL	-	-	-	Motor EN 60950-1 EN 60034-1 EN 60034-5 EN 60664-1	Emission EN 61000-6-4 Immunity EN 61000-6-2	C-137		
	RK543 □ A-PS □	PK543□W-PS□		Driver UL 508C* CSA C22.2 No. 14										
PS Geared □60 mm	RK566 □ AE-PS □	PK566□E-PS□	RKD514L-A	Motor UL 1004 UL 2111								C-138		
	RK564 □ AE-PS □	PK564□E-PS□	RKD514L-C	CSA C22.2 No. 100 CSA C22.2 No. 77										
	RK566 □ CE-PS □	PK566□E-PS□												
	RK564 □ CE-PS □	PK564□E-PS□												
PS Geared □90 mm	RK599 □ AE-PS □	PK599□E-PS□	RKD514H-A	Driver UL 508C* CSA C22.2 No. 14									C-139	
	RK596 □ AE-PS □	PK596□E-PS□	RKD514H-C											
	RK599 □ CE-PS □	PK599□E-PS□												
	RK596 □ CE-PS □	PK596□E-PS□												
PN Geared □42 mm	RK544 □ A-N □	PK544□W-N□	RKD507-A	Motor UL 1004 UL 2111										C-140
PN Geared □60 mm	RK566 □ AE-N □	PK566□E-N□	RKD514L-A	Motor UL 1004 UL 2111										
	RK564 □ AE-N □	PK564□E-N□	RKD514L-C	CSA C22.2 No. 100 CSA C22.2 No. 77										
	RK566 □ CE-N □	PK566□E-N□												
	RK564 □ CE-N □	PK564□E-N□												
PN Geared □90 mm	RK599 □ AE-N □	PK599□E-N□	RKD514H-A	Driver UL 508C* CSA C22.2 No. 14	C-141									
	RK596 □ AE-N □	PK596□E-N□	RKD514H-C											
	RK599 □ CE-N □	PK599□E-N□												
	RK596 □ CE-N □	PK596□E-N□												
Harmonic Geared □42 mm	RK543 □ A-H □	PK543□W-H□S	RKD507-A	Motor UL 1004 UL 2111		C-142								
Harmonic Geared □60 mm	RK564 □ AE-H □	PK564□E-H□S	RKD514L-A	Motor UL 1004 UL 2111										
	RK564 □ CE-H □		RKD514L-C	CSA C22.2 No. 100 CSA C22.2 No. 77										
Harmonic Geared □90 mm	RK596 □ AE-H □	PK596□E1-H□	RKD514H-A	Driver UL 508C* CSA C22.2 No. 14			C-143							
	RK596 □ CE-H □		RKD514H-C											

*The UL standard (UL 508C) certifies the maximum surrounding air temperature at 50°C.

● A number indicating the gear ratio is entered in the box where □ is located within the motor product name or product name.

Either **A** (Single shaft) or **B** (Double shaft) indicating the type is entered in the box where □ is located within the motor product name or the product name.

● Certification regarding various safety standards is acquired for the motor product name and driver product name.

● The EMC value changes according to the wiring and layout. Therefore, the final EMC level must be checked with the product incorporated in the user's equipment.

Stepping Motor and Driver Packages DC Power Supply Input CRK Series

Type	Product Name	Motor Product Name	Driver Product Name	UL/CSA Standards			EN/IEC Standards			CE Marking		Page
				Applicable Standards	File No. or Certificate No.	Certification Body	Applicable Standards	License No. or Certificate No.	Certification Body	Low Voltage Directive Applicable Standards	EMC Directive Applicable Standards	
High Resolution □28 mm	CRK523PM □ PB	PK523PM□	CRD5103PB	Motor UL 60950-1 CSA C22.2 No. 60950-1	Motor E208200	UL	-	-	-	-	C-166	
	CRK524PM □ PB	PK524PM□										
	CRK525PM □ PB	PK525PM□										
	CRK523HPM □ PB	PK523HPM□	CRD5107HPB									
	CRK524HPM □ PB	PK524HPM□										
	CRK525HPM □ PB	PK525HPM□										
High Resolution □42 mm	CRK544PM □ PB	PK544PM□	CRD5107PB	Driver UL 60950-1 CSA C22.2 No. 60950-1	Driver E208200	-	-	-	-	-	C-167	
	CRK546PM □ PB	PK546PM□										
High Resolution □60 mm	CRK564PM □ PB	PK564PM□	CRD5114PB									
	CRK566PM □ PB	PK566PM□										
	CRK569PM □ PB	PK569PM□										
High Torque □20 mm	CRK513P □ PB	PK513P□	CRD5103PB	Motor UL 60950 CSA C22.2 No. 60950	Motor E208200	-	-	-	-	-	C-168	
High Torque □28 mm	CRK523P □ PB	PK523P□	CRD5107HPB									
	CRK525P □ PB	PK525P□										
	CRK523HP □ PB	PK523HP□										
	CRK525HP □ PB	PK525HP□		Driver UL 60950-1 CSA C22.2 No. 60950-1								
High Torque □42 mm	CRK544P □ PB	PK544P□	CRD5107PB	Motor UL 1004 UL 2111 Driver UL 60950-1 CSA C22.2 No. 60950-1	Motor E64199	-	-	-	-	-	C-169	
	CRK546P □ PB	PK546P□										
Standard □42 mm	CRK543 □ PB	PK543N□ W	CRD5107PB	Motor UL 1004 UL 2111 Driver UL 60950-1 CSA C22.2 No. 60950-1	Motor E64199	-	-	-	-	-	C-170	
		CRK544 □ PB										PK544N□ W
		CRK545 □ PB										PK545N□ W
Standard □60 mm	CRK564 □ PB	PK564N□ W	CRD5114PB	Motor UL 1004 UL 2111 CSA C22.2 No. 77 CSA C22.2 No. 100 Driver UL 60950-1 CSA C22.2 No. 60950-1	Driver E208200	-	-	-	-	-	C-171	
		CRK566 □ PB										PK566N□ W
		CRK569 □ PB										PK569N□ W
TH Geared □28 mm	CRK523P □ PB-T □	PK523P□ T □	CRD5103PB	Motor UL 60950 CSA C22.2 No. 60950 Driver UL 60950-1 CSA C22.2 No. 60950-1	Motor E208200 Driver E208200	UL	-	-	-	Emission EN 61000-6-4 Immunity EN 61000-6-2	C-171	
TH Geared □42 mm	CRK543 □ PB-T □	PK543□ W-T □	CRD5107PB	Motor UL 1004 UL 2111 Driver UL 60950-1 CSA C22.2 No. 60950-1	Motor E64199							
TH Geared □60 mm	CRK564 □ PB-T □	PK564□ W-T □	CRD5114PB	Motor UL 1004 UL 2111 CSA C22.2 No. 77 CSA C22.2 No. 100 Driver UL 60950-1 CSA C22.2 No. 60950-1	Driver E208200							
PS Geared □28 mm	CRK523P □ PB-PS □	PK523P□ -PS □	CRD5103PB	Motor UL 60950 CSA C22.2 No. 60950 Driver UL 60950-1 CSA C22.2 No. 60950-1	Motor E208200 Driver E208200							
PS Geared □42 mm	CRK545 □ PB-PS □	PK545□ W-PS □	CRD5107PB	Motor UL 1004 UL 2111 Driver UL 60950-1 CSA C22.2 No. 60950-1	Motor E64199							
	CRK543 □ PB-PS □	PK543□ W-PS □										
PS Geared □60 mm	CRK566 □ PB-PS □	PK566□ W-PS □	CRD5114PB	Motor UL 1004 UL 2111 CSA C22.2 No. 77 CSA C22.2 No. 100 Driver UL 60950-1 CSA C22.2 No. 60950-1	Driver E208200							
	CRK564 □ PB-PS □	PK564□ W-PS □										

- A number indicating the gear ratio is entered in the box where □ is located within the motor product name or product name. Either **A** (Single shaft) or **B** (Double shaft) indicating the type is entered in the box where □ is located within the motor product name or the product name.
- Certification regarding various safety standards is acquired for the motor product name and driver product name.
- The EMC value changes according to the wiring and layout. Therefore, the final EMC level must be checked with the product incorporated in the user's equipment.

RoHS
Directive
Compliance

 Safety
Standards

 List of Safety
Standard
Approved
Products

 ISO 9001,
ISO 14001

 Global
Power
Supply
Voltages

 Product
Recommendation
Information
Sheets

 Discontinued
Products

 Product
Index

Type	Product Name	Motor Product Name	Driver Product Name	UL/CSA Standards			EN/IEC Standards			CE Marking		Page
				Applicable Standards	File No. or Certificate No.	Certification Body	Applicable Standards	License No. or Certificate No.	Certification Body	Low Voltage Directive Applicable Standards	EMC Directive Applicable Standards	
PN Geared <input type="checkbox"/> 28 mm	CRK523P <input type="checkbox"/> PB-N <input type="checkbox"/>	PK523P <input type="checkbox"/> -N <input type="checkbox"/>	CRD5103PB	Motor UL 60950 CSA C22.2 No. 60950	Motor E208200	UL	-	-	-	Emission EN 61000-6-4 Immunity EN 61000-6-2	C-177	
PN Geared <input type="checkbox"/> 42 mm	CRK544 <input type="checkbox"/> PB-N <input type="checkbox"/>	PK544 <input type="checkbox"/> W-N <input type="checkbox"/>	CRD5107PB	Motor UL 1004 UL 2111 Driver UL 60950-1 CSA C22.2 No. 60950-1	Motor E64199 Driver E208200							
PN Geared <input type="checkbox"/> 60 mm	CRK566 <input type="checkbox"/> PB-N <input type="checkbox"/>	PK566 <input type="checkbox"/> W-N <input type="checkbox"/>	CRD5114PB	Motor UL 1004 UL 2111 CSA C22.2 No. 77 CSA C22.2 No. 100	Motor E64199							
	CRK564 <input type="checkbox"/> PB-N <input type="checkbox"/>	PK564 <input type="checkbox"/> W-N <input type="checkbox"/>		Driver UL 60950-1 CSA C22.2 No. 60950-1	Driver E208200							
Harmonic Geared <input type="checkbox"/> 20 mm	CRK513P <input type="checkbox"/> PB-H <input type="checkbox"/>	PK513P <input type="checkbox"/> -H <input type="checkbox"/> S	CRD5103PB	Motor UL 60950 CSA C22.2 No. 60950	Motor E208200							
Harmonic Geared <input type="checkbox"/> 30 mm	CRK523P <input type="checkbox"/> PB-H <input type="checkbox"/>	PK523HP <input type="checkbox"/> -H <input type="checkbox"/> S	CRD5107HPB	Driver UL 60950-1 CSA C22.2 No. 60950-1	Driver E208200							
Harmonic Geared <input type="checkbox"/> 42 mm	CRK543 <input type="checkbox"/> PB-H <input type="checkbox"/>	PK543 <input type="checkbox"/> W-H <input type="checkbox"/> S	CRD5107PB	Motor UL 2111 UL 1004 Driver UL 60950-1 CSA C22.2 No. 60950-1	Motor E64199							
Harmonic Geared <input type="checkbox"/> 60 mm	CRK564 <input type="checkbox"/> PB-H <input type="checkbox"/>	PK564 <input type="checkbox"/> W-H <input type="checkbox"/> S	CRD5114PB	Motor UL 2111 UL 1004 CSA C22.2 No. 77 CSA C22.2 No. 100 Driver UL 60950-1 CSA C22.2 No. 60950-1	Driver E208200	C-180						

- A number indicating the gear ratio is entered in the box where is located within the motor product name or product name.
Either **A** (Single shaft) or **B** (Double shaft) indicating the type is entered in the box where is located within the motor product name or the product name.
- Certification regarding various safety standards is acquired for the motor product name and driver product name.
- The EMC value changes according to the wiring and layout. Therefore, the final EMC level must be checked with the product incorporated in the user's equipment.

■ 2-Phase Stepping Motors PK Series Standard Type with Terminal Box

Type	Product Name	UL/CSA Standards			EN/IEC Standards			CE Marking		Page
		Applicable Standards	File No. or Certificate No.	Certification Body	Applicable Standards	License No. or Certificate No.	Certification Body	Low Voltage Directive Applicable Standards	EMC Directive Applicable Standards	
<input type="checkbox"/> 56.4 mm	PK264AT PK266AT PK268AT	UL 1004 UL 2111 CSA C22.2 No. 100 CSA C22.2 No. 77	E64199	UL	-	-	-	EN 60950-1 EN 60034-1 EN 60034-5 EN 60664-1	-	C-257
<input type="checkbox"/> 85 mm	PK296EAT PK299EAT PK2913EAT									

Motorized Linear Slides EZSII Series

Power Supply	Product Name	Linear Slide Product Name	Controller Product Name	UL/CSA Standards			EN/IEC Standards			CE Marking		Page
				Applicable Standards	File No. or Certificate No.	Certification Body	Applicable Standards	License No. or Certificate No.	Certification Body	Low Voltage Directive Applicable Standards	EMC Directive Applicable Standards	
24 VDC	EZS3D □-K	EZSM3D□K	ESMC-K2	-	-	-	-	-	-	-	-	E-54
	EZS3D □M-K	EZSM3D□MK										
	EZS3E □-K	EZSM3E□K										
	EZS3E □M-K	EZSM3E□MK										
	EZS4D □-K	EZSM4D□K	ESMC-K2									E-58
	EZS4D □M-K	EZSM4D□MK										
	EZS4E □-K	EZSM4E□K										
	EZS4E □M-K	EZSM4E□MK										
	EZS6D □-K	EZSM6D□K	ESMC-K2									E-62
	EZS6D □M-K	EZSM6D□MK										
	EZS6E □-K	EZSM6E□K										
	EZS6E □M-K	EZSM6E□MK										
Single-Phase 100-115 VAC	EZS3D □-A	EZSM3D□A	ESMC-A2	-	-	-	-	-	-	-	-	E-56
	EZS3D □M-A	EZSM3D□MA										
	EZS3E □-A	EZSM3E□A										
	EZS3E □M-A	EZSM3E□MA	ESMC-A2									E-60
	EZS4D □-A	EZSM4D□A										
	EZS4D □M-A	EZSM4D□MA										
	EZS4E □-A	EZSM4E□A	ESMC-A2									E-64
	EZS4E □M-A	EZSM4E□MA										
	EZS6D □-A	EZSM6D□A										
	EZS6D □M-A	EZSM6D□MA	ESMC-A2									E-64
	EZS6E □-A	EZSM6E□A										
	EZS6E □M-A	EZSM6E□MA										
Single-Phase 200-230 VAC	EZS3D □-C	EZSM3D□C	ESMC-C2	-	-	-	-	-	-	-	-	E-56
	EZS3D □M-C	EZSM3D□MC										
	EZS3E □-C	EZSM3E□C										
	EZS3E □M-C	EZSM3E□MC	ESMC-C2									E-60
	EZS4D □-C	EZSM4D□C										
	EZS4D □M-C	EZSM4D□MC										
	EZS4E □-C	EZSM4E□C	ESMC-C2									E-64
	EZS4E □M-C	EZSM4E□MC										
	EZS6D □-C	EZSM6D□C										
	EZS6D □M-C	EZSM6D□MC	ESMC-C2									E-64
	EZS6E □-C	EZSM6E□C										
	EZS6E □M-C	EZSM6E□MC										

- A number indicating the stroke is entered in the box where □ is located within the product name or the linear slider product name.
- The EMC value changes according to the wiring and layout. Therefore, the final EMC level must be checked with the product incorporated in the user's equipment.
- The linear slider, controller, and teaching pendant (Product Name: **EZTI**) are designed and manufactured for use in general industrial equipment as a build-in component, and therefore they are declared the declaration of incorporation under the Machinery Directive. Each product has been evaluated under the following standards to ensure proper operation:
 EN ISO 12100-1, EN ISO 12100-2, EN ISO 14121-1, EN 60204-1

RoHS Directive Compliance
 Safety Standards
 List of Safety Standard Approved Products
 ISO 9001, ISO 14001
 Global Power Supply Voltages
 Product Recommendation Information Sheets
 Discontinued Products
 Product Index

Motorized Cylinders EZA Series

Power Supply	Product Name	Cylinder Product Name	Controller Product Name	UL/CSA Standards			EN/IEC Standards			CE Marking		Page
				Applicable Standards	File No. or Certificate No.	Certification Body	Applicable Standards	License No. or Certificate No.	Certification Body	Low Voltage Directive Applicable Standards	EMC Directive Applicable Standards	
24 VDC	EZA4D□-K	EZAM4D□K	ESMC-K2						-			E-154
	EZA4D□M-K	EZAM4D□MK										
	EZA4E□-K	EZAM4E□K										
	EZA4E□M-K	EZAM4E□MK										
	EZA6D□-K	EZAM6D□K	ESMC-K2									
	EZA6D□M-K	EZAM6D□MK										
	EZA6E□-K	EZAM6E□K										
	EZA6E□M-K	EZAM6E□MK										
Single-Phase 100-115 VAC	EZA4D□-A	EZAM4D□A	ESMC-A2	-					Cylinder EN 60950-1 EN 60034-1 EN 60034-5 EN 60664-1	Emission EN 61000-6-4	Immunity EN 61000-6-2	E-156
	EZA4D□M-A	EZAM4D□MA										
	EZA4E□-A	EZAM4E□A										
	EZA6D□-A	EZAM6D□A	ESMC-A2									
	EZA6D□M-A	EZAM6D□MA										
	EZA6E□-A	EZAM6E□A										
Single-Phase 200-230 VAC	EZA4D□-C	EZAM4D□C	ESMC-C2						Controller EN 50178			E-156
	EZA4D□M-C	EZAM4D□MC										
	EZA4E□-C	EZAM4E□C										
	EZA4E□M-C	EZAM4E□MC										
	EZA6D□-C	EZAM6D□C	ESMC-C2									
	EZA6D□M-C	EZAM6D□MC										
	EZA6E□-C	EZAM6E□C										
	EZA6E□M-C	EZAM6E□MC										

- A number indicating the stroke is entered in the box where □ is located within the product name or the linear cylinder product name.
- The EMC value changes according to the wiring and layout. Therefore, the final EMC level must be checked with the product incorporated in the user's equipment.
- As the linear slide, controller and teaching pendant (Product name: **EZT1**) are designed and manufactured as built-in components for general industrial equipment, we have issued a Declaration of Incorporation of Partly Completed Machinery based on the Machinery Directive. Additionally, each product has been evaluated under the following standards to ensure proper operation:
EN ISO 12100-1, EN ISO 12100-2, EN ISO 14121-1, EN 60204-1

Compact Linear Actuators DRS Series

Type	Product Name	Actuator Product Name	Driver Product Name	UL/CSA Standards			EN/IEC Standards			CE Marking		Page
				Applicable Standards	File No. or Certificate No.	Certification Body	Applicable Standards	License No. or Certificate No.	Certification Body	Low Voltage Directive Applicable Standards	EMC Directive Applicable Standards	
□28 mm	DRS28SA1-03KA	DRS28SA1-03K	DRSD07A-KA	Actuator UL 60950-1 CSA C22.2 No. 60950-1	E208200	UL	-	-		Emission EN 61000-6-4	Immunity EN 61000-6-2	E-193
	DRS28SA1-03NKA	DRS28SA1-03NK										
	DRS28SA1G-03KA	DRS28SA1G-03K										
	DRS28SA1G-03NKA	DRS28SA1G-03NK										
□42 mm	DRS42SA2-04KA	DRS42SA2-04K	DRSD18A-KA	Driver UL 60950-1 CSA C22.2 No. 60950-1	E208200	UL	-	-		Emission EN 61000-6-4	Immunity EN 61000-6-2	E-193
	DRS42SA2-04MKA	DRS42SA2-04MK										
	DRS42SA2-04NKA	DRS42SA2-04NK										
	DRS42SA2G-04KA	DRS42SA2G-04K										
	DRS42SA2G-04MKA	DRS42SA2G-04MK										
	DRS42SA2G-04NKA	DRS42SA2G-04NK										

- Certification regarding various safety standards is acquired for the actuator product name and driver product name.
- The EMC value changes according to the wiring and layout. Therefore, the final EMC level must be checked with the product incorporated in the user's equipment.

Compact Linear Actuators DRL Series DC Power Supply Input

Type	Product Name	Actuator Product Name	Driver Product Name	UL/CSA Standards				EN/IEC Standards			CE Marking		Page
				Motor Product Name	Applicable Standards	File No. or Certificate No.	Certification Body	Applicable Standards	License No. or Certificate No.	Certification Body	Low Voltage Directive Applicable Standards	EMC Directive Applicable Standards	
□20 mm	DRL20PB1-02G	DRL20PB1-02	CRD5103P	SM20P	Motor UL 60950 CSA C22.2 No. 60950	Motor E208200	UL	-	-	Emission EN 61000-6-4	Immunity EN 61000-6-2	E-207	
	DRL20PB1-02NG	DRL20PB1-02N		SM20PH									
	DRL20PB1G-02G	DRL20PB1G-02		SM20PG									
	DRL20PB1G-02NG	DRL20PB1G-02N		SM20PGH									
□28 mm	DRL28PA1-03G	DRL28PA1-03	CRD5107P	SM28P	Motor UL 60950 CSA C22.2 No. 60950	Motor E208200	UL	-	-	Emission EN 61000-6-4	Immunity EN 61000-6-2	E-207	
	DRL28PA1-03NG	DRL28PA1-03N		SM28PH									
	DRL28PA1G-03G	DRL28PA1G-03		SM28PG									
	DRL28PA1G-03NG	DRL28PA1G-03N		SM28PGH									
□42 mm	DRL42PA2-04G	DRL42PA2-04	CRD5107P	SM42P	Motor UL 60950 CSA C22.2 No. 60950	Motor E208200	UL	-	-	Emission EN 61000-6-4	Immunity EN 61000-6-2	E-207	
	DRL42PA2-04MG	DRL42PA2-04M		SM42PM									
	DRL42PA2-04NG	DRL42PA2-04N		SM42PH									
	DRL42PA2G-04G	DRL42PA2G-04		SM42PG									
□60 mm	DRL42PA2G-04MG	DRL42PA2G-04M	CRD5114P	SM42PGM	Driver UL 60950-1 CSA C22.2 No. 60950-1	Driver E208200	UL	-	-	Emission EN 61000-6-4	Immunity EN 61000-6-2	E-207	
	DRL42PA2G-04NG	DRL42PA2G-04N		SM42PGH									
	DRL60PA4-05G	DRL60PA4-05		SM60P									
	DRL60PA4-05MG	DRL60PA4-05M		SM60PM									
□60 mm	DRL60PA4-05NG	DRL60PA4-05N	CRD5114P	SM60PH	Driver UL 60950-1 CSA C22.2 No. 60950-1	Driver E208200	UL	-	-	Emission EN 61000-6-4	Immunity EN 61000-6-2	E-207	
	DRL60PA4G-05G	DRL60PA4G-05		SM60PG									
	DRL60PA4G-05MG	DRL60PA4G-05M		SM60PGM									
	DRL60PA4G-05NG	DRL60PA4G-05N		SM60PGH									

- Certification regarding various safety standards is acquired for the motor product name and driver product name.
- The EMC value changes according to the wiring and layout. Therefore, the final EMC level must be checked with the product incorporated in the user's equipment.

Hollow Rotary Actuators DG Series Pulse Input Package

Type	Product Name	Actuator Product Name	Driver Product Name	UL/CSA Standards				EN/IEC Standards			CE Marking		Page
				Motor Product Name	Applicable Standards	File No. or Certificate No.	Certification Body	Applicable Standards	License No. or Certificate No.	Certification Body	Low Voltage Directive Applicable Standards	EMC Directive Applicable Standards	
□60 mm	DG60-ASAK	DGM60-ASAK	ASD10A-K	ASM34AK-D	Motor UL 60950 CSA C22.2 No. 60950	Motor E208200	UL	-	-	Emission EN 61000-6-4	Immunity EN 61000-6-2	E-242	
	DG60-ASBK	DGM60-ASBK		ASM34BK-D	Driver UL 508C*1 CSA C22.2 No. 14 UL 1950 CSA C22.2 No. 950	Driver E171462 E208200							
□85 mm	DG85R-ASAA	DGM85R-ASAA	ASD13B-A	ASM46AA-D	Motor UL 1004 UL 2111	Motor E64199	UL	-	-	Emission EN 61000-6-4	Immunity EN 61000-6-2	E-242	
	DG85R-ASBA	DGM85R-ASBA		ASM46BA-D	Driver UL 508C*2 CSA C22.2 No. 14	Driver E171462							
□130 mm	DG130R-AS□A	DGM130R-AS□A	ASD24A-A	ASM66□A-D	Motor UL 1004 UL 2111	Motor E64199	UL	-	-	Emission EN 61000-6-4	Immunity EN 61000-6-2	E-242	
	DG130R-AS□C	DGM130R-AS□C	ASD12A-C	ASM66□C-D	Driver UL 508C*2 CSA C22.2 No. 100 CSA C22.2 No. 77	Driver EN 60950-1 EN 50178							
□200 mm	DG200R-AS□A	DGM200R-AS□A	ASD30E-A	ASM911□AE-D	Motor UL 1004 UL 2111	Motor E64199	UL	-	-	Emission EN 61000-6-4	Immunity EN 61000-6-2	E-242	
	DG200R-AS□C	DGM200R-AS□C	ASD20A-C	ASM911□CE-D	Driver UL 508C*2 CSA C22.2 No. 14	Driver E171462							
□200 mm	DG200R-AS□S	DGM200R-AS□S	ASD20A-S	ASM911□SE-D	Motor UL 1004 UL 2111	Motor E64199	UL	-	-	Emission EN 61000-6-4	Immunity EN 61000-6-2	E-242	
	DG200R-AS□S	DGM200R-AS□S	ASD20A-S	ASM911□SE-D	Driver UL 508C*2 CSA C22.2 No. 14	Driver E171462							

- *1 The UL Standard (UL 508C) certifies the maximum surrounding air temperature at 40°C.
- *2 The UL Standard (UL 508C) certifies the maximum surrounding air temperature at 50°C.
- Either **A** (Single shaft), **B** (Double shaft), or **M** (Electromagnetic brake), indicating the type is entered in the box where □ is located within the product name, actuator product name or motor product name.
- Certification regarding various safety standards is acquired for the motor product name and driver product name.
- The EMC value changes according to the wiring and layout. Therefore, the final EMC level must be checked with the product incorporated in the user's equipment.

■ Hollow Rotary Actuators **DG Series** Built-In Controller Package

Type	Product Name	Actuator Product Name	Driver Product Name	UL/CSA Standards				EN/IEC Standards			CE Marking		Page
				Motor Product Name	Applicable Standards	File No. or Certificate No.	Certification Body	Applicable Standards	License No. or Certificate No.	Certification Body	Low Voltage Directive Applicable Standards	EMC Directive Applicable Standards	
□85 mm	DG85R-ASAAD	DGM85R-ASAA	ASD13B-AD	ASM46AA-D	Motor UL 1004 UL 2111	Motor E64199	UL	-	-	-	Motor EN 60950-1 EN 60034-1 EN 60034-5 EN 60664-1	Emission EN 61000-6-4 Immunity EN 61000-6-2	E-243
	DG85R-ASBAD	DGM85R-ASBA		ASM46BA-D	Driver UL 508C* CSA C22.2 No. 14	Driver E171462							
□130 mm	DG130R-AS□AD	DGM130R-AS□A	ASD24A-AD	ASM66□A-D	Motor UL 1004 UL 2111 CSA C22.2 No. 100 CSA C22.2 No. 77	Motor E64199	UL	-	-	-	-	-	E-243
	DG130R-AS□CD	DGM130R-AS□C	ASD12A-CD	ASM66□C-D									
	DG130R-AS□SD		ASD12A-SD										
□200 mm	DG200R-AS□AD	DGM200R-AS□A	ASD30E-AD	ASM911□AE-D	Driver UL 508C* CSA C22.2 No. 14	Driver E171462	UL	-	-	-	-	-	E-243
	DG200R-AS□CD	DGM200R-AS□C	ASD20A-CD	ASM911□CE-D									
	DG200R-AS□SD		ASD20A-SD										

*The UL Standard (UL 508C) certifies the maximum surrounding air temperature at 40°C.


● Either **A** (Single shaft), **B** (Double shaft), or **M** (Electromagnetic brake), indicating the type is entered in the box where □ is located within the product name, actuator product name or motor product name.

● Certification regarding various safety standards is acquired for the motor product name and driver product name.

● The EMC value changes according to the wiring and layout. Therefore, the final EMC level must be checked with the product incorporated in the user's equipment.

■ Axial Flow Fans **AC Power Supply Input MU Series**

Product Name	UL/CSA Standards			EN/IEC Standards			CE Marking		JET Certified Components		Page
	Applicable Standards	File No. or Certificate No.	Certification Body	Applicable Standards	License No. or Certificate No.	Certification Body	Low Voltage Directive Applicable Standards	EMC Directive Applicable Standards	Certificate No.	Certification Body	
MU825S-23	UL 507 CSA C22.2 No. 113	E58377/1274852	UL/CSA	EN 60950-1	5870	VDE	-	-	-	-	F-30
MU825S-53											
MU925S-21	UL 507 CSA C22.2 No. 113	E58377/1282906	UL/CSA	EN 60950-1	5870	VDE	-	-	-	-	F-32
MU925M-21		E58377/1282885									
MU925S-51		E58377/1282906									
MU925M-51		E58377/1282885									
MU1025S-51	UL 507 CSA C22.2 No. 113	E58377/1282885	UL/CSA	EN 60950-1	5870	VDE	EN 60950-1	-	0018-91002-003	Japan Electrical Safety & Environment Technology Laboratories (JET)	F-34
MU1225S-21	UL 507 CSA C22.2 No. 113	E58377/1282906	UL/CSA	EN 60950-1	5870	VDE	-	-	-	-	F-36
MU1225M-21		E58377/1282885									
MU1225S-51		E58377/1282906									
MU1225M-51		E58377/1282885									
MU1238A-21B	UL 507 CSA C22.2 No. 113	E58377/1282906	UL/CSA	EN 60950-1	5870	VDE	-	-	-	-	F-38
MU1238B-21B											
MU1238L-21B											
MU1238A-51B											
MU1238B-51B											
MU1238L-51B											
MU1428S-51	UL 507 CSA C22.2 No. 113	E58377/1282885	UL/CSA	EN 60950-1	5870	VDE	EN 60950-1	0018-91002-002 0018-91002-003	Japan Electrical Safety & Environment Technology Laboratories (JET)	F-40	

● The PSE mark  is indicated in the **MU** Series based on the Electrical Appliance and Material Safety Law (Electrical appliances other than the specific electrical appliance).

■ Axial Flow Fans AC Power Supply Input MRS Series

Product Name	UL/CSA Standards			EN/IEC Standards			CE Marking		Page													
	Applicable Standards	File No. or Certificate No.	Certification Body	Applicable Standards	License No. or Certificate No.	Certification Body	Low Voltage Directive	EMC Directive														
							Applicable Standards	Applicable Standards														
MRS14-TUL	UL 507 CSA C22.2 No. 113	E58377/1012289	UL/CSA	EN 60950-1	5866	VDE	EN 60950-1	-	F-42													
MRS14-TTM																						
MRS16-BUL	UL 507 CSA C22.2 No. 113	E58377/1627035	UL/CSA	EN 60950-1	5869	VDE			EN 60950-1	-	F-44											
MRS16-DUL																						
MRS16-E																						
MRS16-TUL																						
MRS16-BTA																						
MRS16-DTA																						
MRS16-TTA																						
MRS16-BTM																						
MRS16-DTM																						
MRS16-ETM																						
MRS16-TTM																						
MRS18-BUL												UL 507 CSA C22.2 No. 113	E58377/1389794	UL/CSA	EN 60950-1	5868	VDE	EN 60950-1	-	F-48		
MRS18-DUL																						
MRS18-E																						
MRS18-TUL																						
MRS18-BTM																						
MRS18-DTM																						
MRS18-ETM																						
MRS18-TTM																						
MRS18-BH	UL 507 CSA C22.2 No. 113	E58377	UL	-	-	-					EN 60950-1										-	F-48
MRS18-DH																						
MRS18-EH																						
MRS18-TH																						
MRS18-BMH																						
MRS18-DMH																						
MRS18-EMH																						
MRS18-TMH																						
MRS20-BUL							UL 507 CSA C22.2 No. 113	E58377/1627047	UL/CSA	EN 60950-1		5867	VDE	EN 60950-1	-	F-52						
MRS20-DUL																						
MRS20-E																						
MRS20-TUL																						
MRS20-BM																						
MRS20-DM																						
MRS20-EM																						
MRS20-TM																						
MRS25-B	UL 507 CSA C22.2 No. 113	E58377	UL	-	-	-											EN 60950-1	-	F-56			
MRS25-D																						
MRS25-T																						
MRS25-BM																						
MRS25-DM																						
MRS25-TM																						
MRS25-BB																						
MRS25-DB																						
MRS25-TB																						

■ Axial Flow Fans AC Power Supply Input MRE Series

Product Name	UL/CSA Standards			EN/IEC Standards			CE Marking		Page		
	Applicable Standards	File No. or Certificate No.	Certification Body	Applicable Standards	License No. or Certificate No.	Certification Body	Low Voltage Directive	EMC Directive			
							Applicable Standards	Applicable Standards			
MRE16-BH	UL 507 CSA C22.2 No. 113	E58377	UL	-	-	-	EN 60950-1	-	F-58		
MRE16-DH											
MRE16-TH2											
MRE16-BBH											
MRE16-DBH											
MRE16-TBH											
MRE18-BH	UL 507 CSA C22.2 No. 113	E58377	UL	-	-	-			EN 60950-1	-	F-60
MRE18-DH											
MRE18-TH											
MRE18-BBH											
MRE18-DBH											
MRE18-TBH											

● The code (G) indicating the finger guard is not indicated in the product name on the fan nameplate product name.

● MRE Series certification for various safety standards has been acquired for the fan nameplate product names. Product Name: **MRE16-BHG** → Fan nameplate product name, various safety standards certified product names: **MRE16-BH**

■ Axial Flow Fans DC Power Supply Input MDS, MD, MDA, MDE Series

Product Name	UL/CSA Standards			EN/IEC Standards			CE Marking		Page								
	Applicable Standards	File No. or Certificate No.	Certification Body	Applicable Standards	License No. or Certificate No.	Certification Body	Low Voltage Directive Applicable Standards	EMC Directive Applicable Standards									
MDS410-12	UL 507 CSA C22.2 No. 113	E58377	UL	EN 60950-1	135713	DEMKO	-	Emission IEC 61000-6-4 Immunity IEC 61000-6-2	F-64								
MDS410-24																	
MDS410-12L																	
MDS410-24L																	
MDS410-12H	UL 507 CSA C22.2 No. 113	E58377	UL	-	-	-			-	Emission IEC 61000-6-4 Immunity IEC 61000-6-2	F-66						
MDS410-24H																	
MDS410-12LH																	
MDS410-24LH																	
MDS510-12	UL 507 CSA C22.2 No. 113	E58377	UL	EN 60950-1	135713	DEMKO					-	Emission IEC 61000-6-4 Immunity IEC 61000-6-2	F-68				
MDS510-24																	
MDS510-12L																	
MDS510-24L																	
MDS510-12H	UL 507 CSA C22.2 No. 113	E58377	UL	-	-	-							-	Emission IEC 61000-6-4 Immunity IEC 61000-6-2	F-70		
MDS510-24H																	
MDS510-12LH																	
MDS510-24LH																	
MD625B-12	UL 507 CSA C22.2 No. 113	E58377	UL	EN 60950-1	135713	DEMKO									-	Emission IEC 61000-6-4 Immunity IEC 61000-6-2	F-72
MD625B-24																	
MD625B-12L																	
MD625B-24L																	
MD625B-12H	UL 507 CSA C22.2 No. 113	E58377	UL	-	-	-	-	Emission IEC 61000-6-4 Immunity IEC 61000-6-2									F-74
MD625B-24H																	
MD625B-12LH																	
MD625B-24LH																	
MD825B-12	UL 507 CSA C22.2 No. 113	E58377	UL	EN 60950-1	135713	DEMKO			-	Emission IEC 61000-6-4 Immunity IEC 61000-6-2							F-76
MD825B-24																	
MD825B-12L																	
MD825B-24L																	
MD825B-12H	UL 507 CSA C22.2 No. 113	E58377	UL	-	-	-					-	Emission IEC 61000-6-4 Immunity IEC 61000-6-2					F-78
MD825B-24H																	
MD825B-12LH																	
MD825B-24LH																	
MD925A-12	UL 507 CSA C22.2 No. 113	E58377	UL	EN 60950-1	135713	DEMKO							-	Emission IEC 61000-6-4 Immunity IEC 61000-6-2			F-78
MD925A-24																	
MD925A-12L																	
MD925A-24L																	
MD925A-12H	UL 507 CSA C22.2 No. 113	E58377	UL	-	-	-									-	Emission IEC 61000-6-4 Immunity IEC 61000-6-2	F-78
MD925A-24H																	
MD925A-12LH																	
MD925A-24LH																	
MDS1225-12	UL 507 CSA C22.2 No. 113	E58377	UL	EN 60950-1	135713	DEMKO	-	Emission IEC 61000-6-4 Immunity IEC 61000-6-2									F-78
MDS1225-24																	
MDS1225-12H																	
MDS1225-24H																	
MDS1451-24	UL 507 CSA C22.2 No. 113	E58377	UL	-	-	-			-	Emission IEC 61000-6-4 Immunity IEC 61000-6-2							F-78
MDS1451-48																	
MDS1451-24L																	
MDS1451-48L																	
MDS1451-24H																	
MDS1451-48H																	
MDS1451-24LH																	
MDS1451-48LH																	
MDS1751-24	UL 507 CSA C22.2 No. 113	E58377	UL	EN 60950-1	135713	DEMKO					-	Emission IEC 61000-6-4 Immunity IEC 61000-6-2	F-78				
MDS1751-24B				-	-	-											
MDS1751-24H				-	-	-											
MDS1751-24BH	UL 507 CSA C22.2 No. 113	E58377	UL	-	-	-							-	Emission IEC 61000-6-4 Immunity IEC 61000-6-2			F-78

Product Name	UL/CSA Standards			EN/IEC Standards			CE Marking		Page
	Applicable Standards	File No. or Certificate No.	Certification Body	Applicable Standards	License No. or Certificate No.	Certification Body	Low Voltage Directive Applicable Standards	EMC Directive Applicable Standards	
MDA625-12	UL 507 CSA C22.2 No. 113	E58377	UL	-	-	-	-	Emission IEC 61000-6-4 Immunity IEC 61000-6-2	F-82
MDA625-24									
MDA625-12H									
MDA625-24H									
MDA825-12									
MDA825-24									
MDA825-12H									
MDA825-24H									
MDA925-12									
MDA925-24									
MDA925-12H									
MDA925-24H									
MDA1225-12									
MDA1225-24									
MDA1225-12H									
MDA1225-24H									
MDA1451-24	UL 507 CSA C22.2 No. 113	E58377	UL	EN 60950-1	135713	DEMKO	-	-	F-84
MDA1451-48									
MDA1451-24H									
MDA1451-48H									
MDE1225-12L	UL 507 CSA C22.2 No. 113	E58377	UL	EN 60950-1	135713	DEMKO	-	-	F-86
MDE1225-24L									
									F-88
									F-90
									F-92

- The code (G) indicating the finger guard is not indicated in the product name on the fan nameplate product name.
- MDA Series certification for various safety standards has been acquired for the fan nameplate product names. Product Name: **MDA625-12G** → Fan nameplate product name, various safety standards certified product names: **MDA625-12**

Centrifugal Blowers AC Power Supply Input MB Series

Product Name	UL/CSA Standards			EN/IEC Standards			CE Marking		Page				
	Applicable Standards	File No. or Certificate No.	Certification Body	Applicable Standards	License No. or Certificate No.	Certification Body	Low Voltage Directive Applicable Standards	EMC Directive Applicable Standards					
MB520-B	UL 507 CSA C22.2 No. 113	E58377	UL	EN 60950-1	6755	VDE	EN 60950-1	-	F-100				
MB520-D													
MB630-B													
MB630-D													
MB840-B				-	-	-			135714	DEMKO	-	-	F-102
MB840-D													
MB840-T													
MB1040-B													
MB1040-D				EN 60950-1	6755	VDE			-	-	-	-	F-104
MB1255-B													
MB1255-D													
MB1255-T													
MB1665-B				EN 60950-1	6755	VDE			-	-	-	-	F-106
MB1665-D													
MB1665-T													
									F-110				

Cross Flow Fans AC Power Supply Input MF Series

Product Name	UL/CSA Standards			EN/IEC Standards			CE Marking		Page							
	Applicable Standards	File No. or Certificate No.	Certification Body	Applicable Standards	License No. or Certificate No.	Certification Body	Low Voltage Directive Applicable Standards	EMC Directive Applicable Standards								
MF915-BC	UL 507 CSA C22.2 No. 113	E58377	UL	-	-	-	EN 60950-1	-	F-122							
MF915B-BC																
MF915-DC																
MF915B-DC																
MF930-BC									-	-	-	-	-	-	-	F-124
MF930B-BC																
MF930-DC																
MF930B-DC																

Thermostat

Product Name	UL/CSA Standards			EN/IEC Standards			CE Marking		JET components and materials certified products		Page
	Applicable Standards	File No. or Certificate No.	Certification Body	Applicable Standards	License No. or Certificate No.	Certification Body	Low Voltage Directive Applicable Standards	EMC Directive Applicable Standards	Certificate No.	Certification Body	
AM1-XA1	UL 873 CSA C22.2 No. 24	E195863	UL	-	-	-	EN 60730-1 EN 60730-2-9	EN 61000-6-2	J60730-1 J60730-2-9	Japan Electrical Safety & Environment Technology Laboratories (JET)	F-166