

- MSMD, MQMA and MAMA motors conform to IP65 rating except for the connector and shaft through hole.
- For MSMA, MDMA, MGMA, MFMA and MHMA motors, customer to supply the plug and cable clamp which conform to IP65 rating.
(Optional connector kits for encoder cable and motor cable do not provide IP65 rating.)

Motor		(1) Receptacle connector (motor side) (or equivalent)	Plug and clamp (Customer to supply) manufactured by Japan Aviation Electronics Ind.					(6) Cable clamp (or equivalent)	
Series	Output (kW)		Plug			Low profile type			
			(2) Straight type (or equivalent)	(3) Angle (L) type (or equivalent)	(4) Plug connector	(5) Low profile type endbell			
Without brake	MSMA	1.0 to 2.0	JL04V-2E20-4PE-B-R	JL04V-6A20-4SE-EB-R	JL04V-8A20-4SE-EB-R	JL04V-6A20-4SE-R	JL04-20EBA	JL04-2022CK(14)-R	
		3.0 to 5.0	JL04HV-2E22-22PE-B-R	JL04V-6A22-22SE-EB-R	JL04V-8A22-22SE-EB-R	JL04V-6A22-22SE-R	JL04-22EBA		
	MDMA	1.0 to 2.0	JL04V-2E20-4PE-B-R	JL04V-6A20-4SE-EB-R	JL04V-8A20-4SE-EB-R	JL04V-6A20-4SE-R	JL04-20EBA		
		3.0 to 5.0	JL04HV-2E22-22PE-B-R	JL04V-6A22-22SE-EB-R	JL04V-8A22-22SE-EB-R	JL04V-6A22-22SE-R	JL04-22EBA		
	MGMA	7.5	JL04V-2E32-17PE-B-R	N/MS3106B32-17S	N/MS3108B32-17S	—	—		N/MS3057-20A
		0.9	JL04V-2E20-4PE-B-R	JL04V-6A20-4SE-EB-R	JL04V-8A20-4SE-EB-R	JL04V-6A20-4SE-R	JL04-20EBA		JL04-2022CK(14)-R
		2.0 to 4.5	JL04HV-2E22-22PE-B-R	JL04V-6A22-22SE-EB-R	JL04V-8A22-22SE-EB-R	JL04V-6A22-22SE-R	JL04-22EBA		
	MGMA	6.0	JL04V-2E32-17PE-B-R	N/MS3106B32-17S	N/MS3108B32-17S	—	—	N/MS3057-20A	
		0.5 to 1.5	JL04V-2E20-4PE-B-R	JL04V-6A20-4SE-EB-R	JL04V-8A20-4SE-EB-R	JL04V-6A20-4SE-R	JL04-20EBA	JL04-2022CK(14)-R	
		2.0 to 5.0	JL04HV-2E22-22PE-B-R	JL04V-6A22-22SE-EB-R	JL04V-8A22-22SE-EB-R	JL04V-6A22-22SE-R	JL04-22EBA		
	MFMA	7.5	JL04V-2E32-17PE-B-R	N/MS3106B32-17S	N/MS3108B32-17S	—	—	N/MS3057-20A	
		0.4 to 1.5	JL04V-2E20-18PE-B-R	JL04V-6A20-18SE-EB-R	JL04V-8A20-18SE-EB-R	JL04V-6A20-18SE-R	JL04-20EBA	JL04-2022CK(14)-R	
2.5 to 4.5		JL04V-2E24-11PE-B-R	JL04V-6A24-11SE-EB-R	JL04V-8A24-11SE-EB-R	JL04V-6A24-11SE-R	JL04-24EBA	JL04-2428CK(17)-R		
With brake	MSMA	1.0 to 2.0	JL04V-2E20-18PE-B-R	JL04V-6A20-18SE-EB-R	JL04V-8A20-18SE-EB-R	JL04V-6A20-18SE-R	JL04-20EBA	JL04-2022CK(14)-R	
		3.0 to 5.0	JL04V-2E24-11PE-B-R	JL04V-6A24-11SE-EB-R	JL04V-8A24-11SE-EB-R	JL04V-6A24-11SE-R	JL04-24EBA	JL04-2428CK(17)-R	
	MDMA	1.0 to 2.0	JL04V-2E20-18PE-B-R	JL04V-6A20-18SE-EB-R	JL04V-8A20-18SE-EB-R	JL04V-6A20-18SE-R	JL04-20EBA	JL04-2022CK(14)-R	
		3.0 to 5.0	JL04V-2E24-11PE-B-R	JL04V-6A24-11SE-EB-R	JL04V-8A24-11SE-EB-R	JL04V-6A24-11SE-R	JL04-24EBA	JL04-2428CK(17)-R	
		7.5	Motor	JL04V-2E32-17PE-B-R	N/MS3106B32-17S	N/MS3108B32-17S	—	—	N/MS3057-20A
	MGMA	7.5	Brake	N/MS3102A14S-2P	N/MS3106B14S-2S	N/MS3108B14S-2S	—	—	N/MS3057-6A
		0.9	JL04V-2E20-18PE-B-R	JL04V-6A20-18SE-EB-R	JL04V-8A20-18SE-EB-R	JL04V-6A20-18SE-R	JL04-20EBA	JL04-2022CK(14)-R	
		2.0 to 4.5	JL04V-2E24-11PE-B-R	JL04V-6A24-11SE-EB-R	JL04V-8A24-11SE-EB-R	JL04V-6A24-11SE-R	JL04-24EBA	JL04-2428CK(17)-R	
	MGMA	6.0	Motor	JL04V-2E32-17PE-B-R	N/MS3106B32-17S	N/MS3108B32-17S	—	—	N/MS3057-20A
		6.0	Brake	N/MS3102A14S-2P	N/MS3106B14S-2S	N/MS3108B14S-2S	—	—	N/MS3057-6A
		0.5 to 1.5	JL04V-2E20-18PE-B-R	JL04V-6A20-18SE-EB-R	JL04V-8A20-18SE-EB-R	JL04V-6A20-18SE-R	JL04-20EBA	JL04-2022CK(14)-R	
	MHMA	2.0 to 5.0	JL04V-2E24-11PE-B-R	JL04V-6A24-11SE-EB-R	JL04V-8A24-11SE-EB-R	JL04V-6A24-11SE-R	JL04-24EBA	JL04-2428CK(17)-R	
7.5		Motor	JL04V-2E32-17PE-B-R	N/MS3106B32-17S	N/MS3108B32-17S	—	—	N/MS3057-20A	
7.5		Brake	N/MS3102A14S-2P	N/MS3106B14S-2S	N/MS3108B14S-2S	—	—	N/MS3057-6A	
MFMA	0.4 to 1.5	JL04V-2E20-18PE-B-R	JL04V-6A20-18SE-EB-R	JL04V-8A20-18SE-EB-R	JL04V-6A20-18SE-R	JL04-20EBA	JL04-2022CK(14)-R		
	2.5 to 4.5	JL04V-2E24-11PE-B-R	JL04V-6A24-11SE-EB-R	JL04V-8A24-11SE-EB-R	JL04V-6A24-11SE-R	JL04-24EBA	JL04-2428CK(17)-R		
Encoder		N/MS3102A 20-29P	JA06A-20-29S-J1-EB-R	JA08A-20-29S-J1-EB-R	JA06A-20-29S-J1-R	JL04-20EBA	JL04-2022CK(14)-R		

● Example of connector connection

