



MATERIAL FACT SHEET

248659 HG-KR43B

General Data

Product Hierarchy	IAK30220
	SERVO and Motion
	HG-KR
Ext. Material Group	10 STANDARD ITEM
ABC Indicator	A (Available from Stock)

e-shop: https://mitsubishi-electric-eshop.mee.com/mee/FA_IA/EUR/en/p/000000000000248659

FA-Servo-Motion: Servo Motor

Series	MELSERVO-J4
Type	HG-KR
Power Supply (V)	200
Rated Capacity (kW)	0,4
Inertia	LOW INERTIA
Rated Torque (Nm)	1,3
Maximum Torque (Nm)	4,5
Rated Speed (rpm)	3000
Maximum Speed (rpm)	6000
Inertia (kg*cm2)	0,393
Brake	YES
Shaft Type	STRAIGHT SHAFT
Protection Class	IP65
Current Type	AC
Encoder Type	22-BIT
Encoder Resolution (p/rev)	4194304

Product Dimensions & Weight

Width (mm)	60
Height (mm)	77,1
Depth (mm)	135,1
Weight (kg)	1,8

Logistic Dimensions & Gross Weight

Length (cm)	24,5
Width (cm)	11,5
Height (cm)	9,5
Gross Weight (kg)	1,800
Volume (cdm)	2,677

Stock Data

Planned Delivery Time (Days)	72
------------------------------	----

Life Cycle

Sales Start	11.04.2012
Predecessor	161513 / HF-KP43B

Additional Product Information

Binding Tariff Information	DEBTI-10612/21-1
BTI validity date	26.09.2024
Battery included	NO

Export Data

Commodity Code	85015100
Legal Control (Dual Use List)	Not Listed
Country of Origin	Japan (JP)

Preference Status (Supplier Declaration)	Non EU
--	--------

Environmental

REACH Limit Exceeded	NO
Dangerous Goods Class	NO
Dangerous Goods Identifier	NO
RoHS Compliance	COMPLIANT
WEEE	B2B

Conformity

CE	COMPLIANT
UL/cUL	COMPLIANT
EAC	COMPLIANT
UKCA	COMPLIANT

Documentation & Media Data

Manual URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=bltdae25c2bd5f2ff94&q=HG-KR43B&doc-lang=en
Certificates URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt8050dd1408c11cc2&q=HG-KR43B&doc-lang=en
CAD URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt26ecc97a31a841c1&q=HG-KR43B&doc-lang=en

Product Packaging

Cardboard (g)	110
Other paper (g)	35
Aluminum (g)	0
Steel (g)	0
Styrofoam (g)	0
Other plastic (g)	23
Wood (g)	0
Glass (g)	0
Others (g)	0

Spare parts

Material	Description	Quantity	Unit
278652	HG-KR/MR-23/43B - 23/43B P-BRACKET	1	PC
278658	HG-KR/MR-23B/43B O-BRACKET	1	PC
191182	HF-KP/MP23-43(B) O-RING LOAD SIDE	1	PC
191191	HF-KP/MP23-43(B) O-RING ENCODER SIDE	1	PC
191194	HF-KP/MP23-43(B) PRE LOAD SPRING	1	PC
278661	HG-KR/MR-23B - 43B BRAKE	1	PC
191199	HF-KP/MP053-73(B) BRAKE CON. HOUSING	1	PC
191200	HF-KP/MP053-73(B) CONTACTOR BRAKE CON	2	PC
278664	HG-KR/MR-23B - 43B BRAKE KEY	1	PC
201570	HC-PQ/HC-MF13-53 BALL BEARING	1	PC
278666	HG-KR/MR 053(B) - 73(B) ENCODER OBA24R	1	PC
278667	HG-KR/MR 053(B) - 73(B) ENCODER LEAD	1	PC
191210	HF-KP/MP23-43(B) ENCODER COVER	1	PC

Compatible products

Material	Description / Price List Text / Classification
154367	MR-J3JCL03M-A2-L Encoder cable; for HF-KN,-KP,-MP, HG-KR,-MR, 0.3m (lead out encoder), IP20 Class 100100508: FA-Servo-Motion: Cable
160226	MR-J3ENSCBL2M-H Encoder cable; for HC-RP, HF-SN/SP/JP, HG-SN/SR, HK-KT/RT/ST; high flex.,2m, IP67 Class 100100508: FA-Servo-Motion: Cable
160227	MR-PWS1CBL2M-A1-H Power cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, high flex, 2m (motor shaft) Class 100100508: FA-Servo-Motion: Cable
160228	MR-PWS1CBL2M-A2-H Power cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, high flexible, 2m (Encoder) Class 100100508: FA-Servo-Motion: Cable
160230	MR-J3ENCBL2M-A2-H Encoder cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, highflexible, 2m (encoder) Class 100100508: FA-Servo-Motion: Cable
160311	MR-BKS1CBL2M-A2-H Brake cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, high flexible, 2m (Encoder) Class 100100508: FA-Servo-Motion: Cable

Material	Description / Price List Text / Classification
160312	MR-J3ENCBL2M-A1-H Encoder cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, highflex. 2m (motor shaft) Class 100100508: FA-Servo-Motion: Cable
161547	MR-J3ENCBL5M-A1-H Encoder cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, highflex. 5m (motor shaft) Class 100100508: FA-Servo-Motion: Cable
161548	MR-J3ENCBL10M-A1-H Encoder cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, highflex. 10m (motor shaft) Class 100100508: FA-Servo-Motion: Cable
161549	MR-J3ENCBL2M-A1-L Encoder cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, 2m (lead out motor shaft) Class 100100508: FA-Servo-Motion: Cable
161550	MR-J3ENCBL5M-A1-L Encoder cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, 5m (lead out motor shaft) Class 100100508: FA-Servo-Motion: Cable
161551	MR-J3ENCBL10M-A1-L Encoder cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, 10m (lead out motor shaft) Class 100100508: FA-Servo-Motion: Cable
161552	MR-J3ENCBL5M-A2-H Encoder cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, highflexible, 5m (encoder) Class 100100508: FA-Servo-Motion: Cable
161553	MR-J3ENCBL10M-A2-H Encoder cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, highflexible, 10m (encoder) Class 100100508: FA-Servo-Motion: Cable
161554	MR-J3ENCBL2M-A2-L Encoder cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, 2m (lead out encoder) Class 100100508: FA-Servo-Motion: Cable
161555	MR-J3ENCBL5M-A2-L Encoder cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, 5m (lead out encoder) Class 100100508: FA-Servo-Motion: Cable
161556	MR-J3ENCBL10M-A2-L Encoder cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, 10m (lead out encoder) Class 100100508: FA-Servo-Motion: Cable
161557	MR-J3JCBL03M-A1-L Encoder cable; for HF-KN,-KP,-MP, HG-KR,-MR, 0.3m (lead out motor shaft), IP20 Class 100100508: FA-Servo-Motion: Cable
161559	MR-EKCBL20M-H Encoder cable; for HF-KE,-KN,-KP,-MP, HG-KR,-MR, high-flex 20m (motor shaft) Class 100100508: FA-Servo-Motion: Cable
161560	MR-EKCBL30M-H Encoder cable; for HF-KE,-KN,-KP,-MP, HG-KR,-MR, high-flex 30m (motor shaft) Class 100100508: FA-Servo-Motion: Cable
161561	MR-EKCBL20M-L Encoder cable; for HF-KE,-KN,-KP,-MP, HG-KR,-MR, 20m (lead out encoder) Class 100100508: FA-Servo-Motion: Cable
161562	MR-EKCBL30M-L Encoder cable; for HF-KE,-KN,-KP,-MP, HG-KR,-MR, 30m (lead out encoder) Class 100100508: FA-Servo-Motion: Cable
161563	MR-J3ENSCBL5M-H Encoder cable; for HC-RP, HF-SN/SP/JP, HG-SN/SR, HK-KT/RT/ST; high flex.,5m, IP67 Class 100100508: FA-Servo-Motion: Cable
161564	MR-J3ENSCBL10M-H Encoder cable; for HC-RP, HF-SN/SP/JP, HG-SN/SR, HK-KT/RT/ST; high flex.,10m,IP67 Class 100100508: FA-Servo-Motion: Cable
161565	MR-J3ENSCBL20M-H Encoder cable; for HC-RP, HF-SN,-SP,-JP, HG-SN,-SR, highflexible, 20m, IP67 Class 100100508: FA-Servo-Motion: Cable
161566	MR-J3ENSCBL30M-H Encoder cable; for HC-RP, HF-SN,-SP,-JP, HG-SN,-SR, highflexible, 30m, IP67 Class 100100508: FA-Servo-Motion: Cable
161567	MR-J3ENSCBL2M-L Encoder cable; for HC-RP, HF-SN/SP/JP, HG-SN/SR, HK-KT/RT/ST; 2m, IP67 Class 100100508: FA-Servo-Motion: Cable
161568	MR-J3ENSCBL5M-L Encoder cable; for HC-RP, HF-SN/SP/JP, HG-SN/SR, HK-KT/RT/ST; 5m, IP67 Class 100100508: FA-Servo-Motion: Cable
161569	MR-J3ENSCBL10M-L Encoder cable; for HC-RP, HF-SN/SP/JP, HG-SN/SR, HK-KT/RT/ST; 10m, IP67 Class 100100508: FA-Servo-Motion: Cable

Material	Description / Price List Text / Classification
161570	MR-J3ENSCBL20M-L Encoder cable; for HC-RP, HF-SN,-SP,-JP, HG-SN,-SR, 20m, IP67 Class 100100508: FA-Servo-Motion: Cable
161571	MR-J3ENSCBL30M-L Encoder cable; for HC-RP, HF-SN,-SP,-JP, HG-SN,-SR, 30m, IP67 Class 100100508: FA-Servo-Motion: Cable
161592	MR-PWS1CBL5M-A1-H Power cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, high flex, 5m (motor shaft) Class 100100508: FA-Servo-Motion: Cable
161593	MR-PWS1CBL10M-A1-H Power cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, high flex, 10m (motor shaft) Class 100100508: FA-Servo-Motion: Cable
161594	MR-PWS1CBL2M-A1-L Power cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, 2m (Lead out motor shaft) Class 100100508: FA-Servo-Motion: Cable
161595	MR-PWS1CBL5M-A1-L Power cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, 5m (Lead out motor shaft) Class 100100508: FA-Servo-Motion: Cable
161596	MR-PWS1CBL10M-A1-L Power cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, 10m (Lead out motor shaft) Class 100100508: FA-Servo-Motion: Cable
161597	MR-PWS1CBL5M-A2-H Power cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, high flexible, 5m (Encoder) Class 100100508: FA-Servo-Motion: Cable
161598	MR-PWS1CBL10M-A2-H Power cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, high flexible, 10m (Encoder) Class 100100508: FA-Servo-Motion: Cable
161599	MR-PWS1CBL2M-A2-L Power cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, 2m (Lead out Encoder) Class 100100508: FA-Servo-Motion: Cable
161600	MR-PWS1CBL5M-A2-L Power cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, 5m (Lead out Encoder) Class 100100508: FA-Servo-Motion: Cable
161601	MR-PWS1CBL10M-A2-L Power cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, 10m (Lead out Encoder) Class 100100508: FA-Servo-Motion: Cable
161602	MR-PWS2CBL03M-A1-L Power cable; for HF-KE,-KN,-KP,-MP, HG-KR,-MR, 0.3 m (Lead out motor shaft) Class 100100508: FA-Servo-Motion: Cable
161603	MR-PWS2CBL03M-A2-L Power cable; for HF-KE,-KN,-KP,-MP, HG-KR,-MR, 0.3 m (Lead out Encoder) Class 100100508: FA-Servo-Motion: Cable
161604	MR-BKS1CBL2M-A1-H Brake cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, high flexible,2m(motor shaft) Class 100100508: FA-Servo-Motion: Cable
161605	MR-BKS1CBL5M-A1-H Brake cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, high flexible,5m(motor shaft) Class 100100508: FA-Servo-Motion: Cable
161606	MR-BKS1CBL10M-A1-H Brake cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR,high flexible,10m(motor shaft) Class 100100508: FA-Servo-Motion: Cable
161607	MR-BKS1CBL2M-A1-L Brake cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, 2m (Lead out motor shaft) Class 100100508: FA-Servo-Motion: Cable
161608	MR-BKS1CBL5M-A1-L Brake cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, 5m (Lead out motor shaft) Class 100100508: FA-Servo-Motion: Cable
161609	MR-BKS1CBL10M-A1-L Brake cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, 10m (Lead out motor shaft) Class 100100508: FA-Servo-Motion: Cable
161610	MR-BKS1CBL5M-A2-H Brake cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, high flexible, 5m (Encoder) Class 100100508: FA-Servo-Motion: Cable
161611	MR-BKS1CBL10M-A2-H Brake cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, high flexible, 10m (Encoder) Class 100100508: FA-Servo-Motion: Cable
161612	MR-BKS1CBL2M-A2-L Brake cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, 2m (Lead out Encoder) Class 100100508: FA-Servo-Motion: Cable

Material	Description / Price List Text / Classification
161613	MR-BKS1CBL5M-A2-L Brake cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, 5m (Lead out Encoder) Class 100100508: FA-Servo-Motion: Cable
161614	MR-BKS1CBL10M-A2-L Brake cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, 10m (Lead out Encoder) Class 100100508: FA-Servo-Motion: Cable
161615	MR-BKS2CBL03M-A1-L Brake cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, 0,3 m (Lead out motor shaft) Class 100100508: FA-Servo-Motion: Cable
161616	MR-BKS2CBL03M-A2-L Brake cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, 0,3 m (Lead out Encoder) Class 100100508: FA-Servo-Motion: Cable
210799	MR-PWS3CBL2M-A1-L Power cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, shielded, 2m (motor shaft) Class 100100508: FA-Servo-Motion: Cable
210800	MR-PWS3CBL5M-A1-L Power cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, shielded, 5m (motor shaft) Class 100100508: FA-Servo-Motion: Cable
210801	MR-PWS3CBL10M-A1-L Power cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, shielded, 10m (motor shaft) Class 100100508: FA-Servo-Motion: Cable
210802	MR-PWS3CBL2M-A2-L Power cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, shielded,2m (Lead Encoder) Class 100100508: FA-Servo-Motion: Cable
210803	MR-PWS3CBL5M-A2-L Power cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, shielded, 5m (Lead Encoder) Class 100100508: FA-Servo-Motion: Cable
210814	MR-PWS3CBL10M-A2-L Power cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, shielded, 10m (Lead Encoder) Class 100100508: FA-Servo-Motion: Cable
220002	PWS007N-02.0-A2 Power cable; for HF-KN,-KP,-MP, HG-KN,-KR,-MR,shielded, power chain, 2m (Enc.) Class 100100508: FA-Servo-Motion: Cable
220005	PWS007N-05.0-A2 Power cable; for HF-KN,-KP,-MP, HG-KN,-KR,-MR,shielded, power chain, 5m (Enc.) Class 100100508: FA-Servo-Motion: Cable
220007	PWS007N-10.0-A2 Power cable; for HF-KN,-KP,-MP, HG-KN,-KR,-MR,shielded, power chain, 10m (Enc.) Class 100100508: FA-Servo-Motion: Cable
220009	PWS007N-02.0-A1 Power cable; for HF-KN,-KP,-MP, HG-KN,-KR,-MR,shielded, power chain, 2m (shaft) Class 100100508: FA-Servo-Motion: Cable
220010	PWS007N-05.0-A1 Power cable; for HF-KN,-KP,-MP, HG-KN,-KR,-MR,shielded, power chain, 5m (shaft) Class 100100508: FA-Servo-Motion: Cable
220012	PWS007N-10.0-A1 Power cable; for HF-KN,-KP,-MP, HG-KN,-KR,-MR,shielded, power chain,10m (shaft) Class 100100508: FA-Servo-Motion: Cable
229788	MR-EKCB50M-H Encoder cable; for HF-KP(B)/HF-MP(B), high-flex 50m (lead out motor shaft), IP20 Class 100100508: FA-Servo-Motion: Cable
239651	MR-J3JSCBL03M-A1-L Encoder cable; for HF-KE,-KN,-KP,-MP, HG-KR,-MR, 0.3m (motor shaft), IP65 Class 100100508: FA-Servo-Motion: Cable
239652	MR-J3JSCBL03M-A2-L Encoder cable; for HF-KE,-KN,-KP,-MP, HG-KR,-MR, 0.3m (lead out encoder), IP65 Class 100100508: FA-Servo-Motion: Cable
244812	MR-J3ENSCBL50M-H Encoder cable; for HC-RP, HF-SN,-SP,-JP, HG-SN,-SR, highflexible, 50m, IP67 Class 100100508: FA-Servo-Motion: Cable
246915	MR-EKCB5M-H Encoder cable; high-flex, 5m, IP20 Class 100100508: FA-Servo-Motion: Cable
269075	MR-EKCB40M-H Class 100100508: FA-Servo-Motion: Cable
269076	MR-J3ENSCBL40M-H Encoder cable; for HC-RP, HF-SN,-SP,-JP, HG-SN,-SR, highflexible, 40m, IP67 Class 100100508: FA-Servo-Motion: Cable

Material	Description / Price List Text / Classification
482030	MR-EKCBL2M-H Encoder cable; Highflexible; 2 m; IP20; Class 100100508: FA-Servo-Motion: Cable
493673	MR-PWS1CBL20M-A1-H Power cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, high flex, 20m (motor shaft) Class 100100508: FA-Servo-Motion: Cable