



MATERIAL FACT SHEET

493380 HG-KNS43BK

General Data

Product Hierarchy	IAK30226
	SERVO and Motion
	HG-KN
Ext. Material Group	10 STANDARD ITEM
ABC Indicator	B (Limited Availability from Stock)

e-shop: https://mitsubishi-electric-eshop.mee.com/mee/FA_IA/EUR/en/p/000000000000493380

FA-Servo-Motion: Servo Motor

Series	MELSERVO-JET
Type	HG-KNS
Power Supply (V)	200
Rated Capacity (kW)	0,4
Inertia	LOW INERTIA
Rated Torque (Nm)	1,3
Maximum Torque (Nm)	3,8
Rated Speed (rpm)	3000
Maximum Speed (rpm)	6000
Inertia (kg*cm2)	0,397
Brake	YES
Shaft Type	KEYWAY
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)	165,1
Weight (kg)	1,8

Logistic Dimensions & Gross Weight

Length (cm)	24,0
Width (cm)	11,0
Height (cm)	10,0
Gross Weight (kg)	1,807
Volume (cdm)	2,640

Stock Data

Planned Delivery Time (Days)	100
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Life Cycle

Sales Start	08.11.2019
Predecessor	No Predecessor

Additional Product Information

Difference to Standard 1	KEYWAY SHAFT
Battery included	NO

Export Data

Legal Control (Dual Use List)	Not Listed
Country of Origin	Japan (JP)
Preference Status (Supplier Declaration)	Non EU

Environmental

REACH Limit Exceeded	YES
REACH Substance CAS Number	7439-92-1
REACH Substance CAS Number (2)	96-45-7
Dangerous Goods Class	NO
Dangerous Goods Identifier	NO
WEEE	B2B

Conformity

CE	COMPLIANT
UKCA	COMPLIANT

Documentation & Media Data

Manual URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=bltdae25c2bd5f2ff94&q=HG-KNS43BK&doc-lang=en
Certificates URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt8050dd1408c11cc2&q=HG-KNS43BK&doc-lang=en
CAD URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt26ecc97a31a841c1&q=HG-KNS43BK&doc-lang=en

Product Packaging

Cardboard (g)	110
Other paper (g)	36
Aluminum (g)	0
Steel (g)	0
Styrofoam (g)	0
Other plastic (g)	13
Wood (g)	0
Glass (g)	0
Others (g)	0

Spare parts

Material	Description	Quantity	Unit
201570	HC-PQ/HC-MF13-53 BALL BEARING	1	PC
278666	HG-KR/MR 053(B) - 73(B) ENCODER OBA24R	1	PC
191210	HF-KP/MP23-43(B) ENCODER COVER	1	PC
278652	HG-KR/MR-23/43B - 23/43B P-BRACKET	1	PC
278655	HG-KR/MR-23/43 O-BRACKET	1	PC
191194	HF-KP/MP23-43(B) PRE LOAD SPRING	1	PC
278667	HG-KR/MR 053(B) - 73(B) ENCODER LEAD	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

Compatible products

Material	Description / Price List Text / Classification
154367	MR-J3JCBL03M-A2-L Encoder cable; for HF-KN,-KP,-MP, HG-KR,-MR, 0.3m (lead out encoder), IP20 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
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

Material	Description / Price List Text / Classification
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-J3JCB03M-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
161572	MR-ECNM Encoder-connector-set for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR motor types Class 100100509: FA-Servo-Motion: Connector
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

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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
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
209504	MR-J3ENCBL3M-A2-L Encoder cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, 3m (lead out encoder) Class 100100508: FA-Servo-Motion: Cable
229788	MR-EKCBL50M-H Encoder cable; for HF-KP(B)/HF-MP(B), high-flex 50m (lead out motor shaft), IP20 Class 100100508: FA-Servo-Motion: Cable
246915	MR-EKCBL5M-H Encoder cable; high-flex, 5m, IP20 Class 100100508: FA-Servo-Motion: Cable
269075	MR-EKCBL40M-H Class 100100508: FA-Servo-Motion: Cable