



MATERIAL FACT SHEET

282642 HG-SN102BJK

General Data

Product Hierarchy	IAK30227
	SERVO and Motion
	HG-SN
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/000000000000282642

FA-Servo-Motion: Servo Motor

Series	MELSERVO-JE
Type	HG-SN
Power Supply (V)	200
Rated Capacity (kW)	1
Inertia	MEDIUM INERTIA
Rated Torque (Nm)	4,77
Maximum Torque (Nm)	14,3
Rated Speed (rpm)	2000
Maximum Speed (rpm)	3000
Inertia (kg*cm ²)	13,8
Brake	YES
Shaft Type	KEYWAY
Protection Class	IP67
Current Type	AC
Encoder Type	17-BIT
Encoder Resolution (p/rev)	131072

Product Dimensions & Weight

Width (mm)	130
Height (mm)	177,5
Depth (mm)	222
Weight (kg)	8,2

Logistic Dimensions & Gross Weight

Length (cm)	31,0
Width (cm)	16,0
Height (cm)	23,0
Gross Weight (kg)	8,200
Volume (cdm)	11,408

Stock Data

Planned Delivery Time (Days)	100
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Life Cycle

Sales Start	15.12.2014
Predecessor	253967 / HF-SN102BJK

Additional Product Information

Battery included	NO
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Export Data

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-SN102BJK&doc-lang=en
Certificates URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt8050dd1408c11cc2&q=HG-SN102BJK&doc-lang=en
CAD URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt26ecc97a31a841c1&q=HG-SN102BJK&doc-lang=en

Product Packaging

Cardboard (g)	530
Other paper (g)	35
Aluminum (g)	0
Steel (g)	0
Styrofoam (g)	0
Other plastic (g)	28
Wood (g)	0
Glass (g)	0
Others (g)	0

Compatible products

Material	Description / Price List Text / Classification
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
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
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
161573	MR-PWCNS4 Power Connector Set for HG-SR, HG-JR, HK-ST Class 100100509: FA-Servo-Motion: Connector
161575	MR-BKCNS1 Brake-Connector-Set for HF-SE/SN/SP/JP, HG-SN/SR, HK-ST/RT motor Class 100100509: FA-Servo-Motion: Connector

Material	Description / Price List Text / Classification
161576	MR-J3SCNS Encoder-Connector-Set for HF-SE/SN/SP/JP, HG-JR/SN/SR, HK-ST/RT motor, (Straight) Class 100100509: FA-Servo-Motion: Connector
202249	BCS015S-02.0-BKS1 Brake cable; for HF-SE/SN/SP/JP, HG-SN/SR, HK-RT/ST; high flexible, grey, 2m Class 100100508: FA-Servo-Motion: Cable
202250	BCS015S-05.0-BKS1 Brake cable; for HF-SE/SN/SP/JP, HG-SN/SR, HK-RT/ST; high flexible, grey, 5m Class 100100508: FA-Servo-Motion: Cable
202251	BCS015S-10.0-BKS1 Brake cable; for HF-SE/SN/SP/JP, HG-SN/SR, HK-RT/ST; high flexible, grey, 10m Class 100100508: FA-Servo-Motion: Cable
202252	BCS015S-20.0-BKS1 Brake cable; for HF-SE/SN/SP/JP, HG-SN/SR, HK-RT/ST; high flexible, grey, 20m Class 100100508: FA-Servo-Motion: Cable
202253	BCS015S-30.0-BKS1 Brake cable; for HF-SE/SN/SP/JP, HG-SN/SR, HK-RT/ST; high flexible, grey, 30m Class 100100508: FA-Servo-Motion: Cable
202280	PCS025N-02.0-0C4 Power cable for HG-SR102, HK-ST172W/202AW/302W/3534W/5034W; high flexible, 2m Class 100100508: FA-Servo-Motion: Cable
202281	PCS025N-05.0-0C4 Power cable for HG-SR102, HK-ST172W/202AW/302W/3534W/5034W; high flexible, 5m Class 100100508: FA-Servo-Motion: Cable
202282	PCS025N-10.0-0C4 Power cable for HG-SR102, HK-ST172W/202AW/302W/3534W/5034W; high flexible, 10m Class 100100508: FA-Servo-Motion: Cable
202283	PCS025N-20.0-0C4 Power cable for HG-SR102, HK-ST172W/202AW/302W/3534W/5034W; high flexible, 20m Class 100100508: FA-Servo-Motion: Cable
202294	PCS025N-30.0-0C4 Power cable for HG-SR102, HK-ST172W/202AW/302W/3534W/5034W; high flexible, 30m Class 100100508: FA-Servo-Motion: Cable
214558	BCS015S-35.0-BKS1 Class 100100508: FA-Servo-Motion: Cable
227425	MR-J3SCNSA Encoder-Connector-Set for HF-SE/SN/SP/JP, HG-JR/SN/SR, HK-ST/RT motor, (Angle) Class 100100509: FA-Servo-Motion: Connector
244812	MR-J3ENCBL50M-H Encoder cable; for HC-RP, HF-SN,-SP,-JP, HG-SN,-SR, highflexible, 50m, IP67 Class 100100508: FA-Servo-Motion: Cable
248686	MR-ENCNS2 Encoder Connector Set for HG-SN/SR, HK-ST/RT motor, IP67 (Straight Type) Class 100100509: FA-Servo-Motion: Connector
248687	MR-ENCNS2A Encoder Connector Set for HG-SN/SR, HK-ST/RT motor, IP67 (Angle Type) Class 100100509: FA-Servo-Motion: Connector
248688	MR-BKCNS2 Brake Connector Set for HG-SN/SR, HK-ST/RT motor, IP67 (Straight Type) Class 100100509: FA-Servo-Motion: Connector
248689	MR-BKCNS2A Brake Connector Set for HG-SN/SR, HK-ST/RT motor, IP67 (Angle Type) Class 100100509: FA-Servo-Motion: Connector
258914	BCS015S-06.0-BKS1 Brake cable; for HF-SE,-SN,-SP,-JP, HG-SR, high flexible, grey, 6m Class 100100508: FA-Servo-Motion: Cable
258925	BCS015S-08.0-BKS1 Brake cable; for HF-SE,-SN,-SP,-JP, HG-SR, high flexible, grey, 8m Class 100100508: FA-Servo-Motion: Cable
258926	BCS015S-12.0-BKS1 Brake cable; for HF-SE,-SN,-SP,-JP, HG-SR, high flexible, grey, 12m Class 100100508: FA-Servo-Motion: Cable
258927	BCS015S-13.0-BKS1 Brake cable; for HF-SE,-SN,-SP,-JP, HG-SR, high flexible, grey, 13m Class 100100508: FA-Servo-Motion: Cable
258928	BCS015S-15.0-BKS1 Brake cable; for HF-SE,-SN,-SP,-JP, HG-SR, high flexible, grey, 15m Class 100100508: FA-Servo-Motion: Cable

Material	Description / Price List Text / Classification
258929	BCS015S-16.0-BKS1 Brake cable; for HF-SE,-SN,-SP,-JP, HG-SR, high flexible, grey, 16m Class 100100508: FA-Servo-Motion: Cable
258930	BCS015S-18.0-BKS1 Brake cable; for HF-SE,-SN,-SP,-JP, HG-SR, high flexible, grey, 18m 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