



MATERIAL FACT SHEET

248683 HG-SR502B

General Data

Product Hierarchy	IAK30222
	SERVO and Motion
	HG-SR
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/000000000000248683

FA-Servo-Motion: Servo Motor

Series	MELSERVO-J4
Type	HG-SR
Power Supply (V)	200
Rated Capacity (kW)	5
Inertia	MEDIUM INERTIA
Rated Torque (Nm)	23,9
Maximum Torque (Nm)	71,6
Rated Speed (rpm)	2000
Maximum Speed (rpm)	3000
Inertia (kg*cm2)	109
Brake	YES
Shaft Type	STRAIGHT SHAFT
Protection Class	IP67
Current Type	AC
Encoder Type	22-BIT
Encoder Resolution (p/rev)	4194304

Product Dimensions & Weight

Width (mm)	176
Height (mm)	228,9
Depth (mm)	307
Weight (kg)	26

Logistic Dimensions & Gross Weight

Length (cm)	48,5
Width (cm)	28,0
Height (cm)	22,0
Gross Weight (kg)	24,000
Volume (cdm)	29,876

Stock Data

Planned Delivery Time (Days)	72
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Life Cycle

Sales Start	11.04.2012
Predecessor	161537 / HF-SP502B

Additional Product Information

Binding Tariff Information	DEBTI-10611/21-1
BTI validity date	26.09.2024
Battery included	NO

Export Data

Commodity Code	85015220
Legal Control (Dual Use List)	Not Listed
Country of Origin	Japan (JP)

Preference Status (Supplier Declaration)	Non EU
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Environmental

REACH Limit Exceeded	NO
Dangerous Goods Class	NO
Dangerous Goods Identifier	NO
RoHS Compliance	COMPLIANT
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-SR502B&doc-lang=en
Certificates URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt8050dd1408c11cc2&q=HG-SR502B&doc-lang=en
CAD URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt26ecc97a31a841c1&q=HG-SR502B&doc-lang=en

Product Packaging

Cardboard (g)	1480
Other paper (g)	35
Aluminum (g)	0
Steel (g)	0
Styrofoam (g)	0
Other plastic (g)	44
Wood (g)	0
Glass (g)	0
Others (g)	0

Spare parts

Material	Description	Quantity	Unit
191213	HF-SP202/352/502(B) CONNECTOR PIN	3	PC
278629	HG-SR-121 - 502 P-BRACKET	1	PC
278633	HG-SR-121B - 502B O-BRACKET	1	PC
191224	HF-SP202/352/502/702(B) O-RING FOR FRAME	2	PC
191226	HF-SP202/352/502/702(B) O-RING FOR MOUNT	1	PC
191228	HF-SP202/352/502(B) CONNECTOR POWER	1	PC
191231	HF-SP202/352/502(B) O-RING FOR CONNECTOR	1	PC
278645	HG-SR/HF-SP-121B - 502B/702B BRAKE	1	PC
278648	HG-SR-121B - 502B/702B BRAKE KEY	1	PC
333980	HG-SN52-302BJ CONNECTOR BRAKE	1	PC
191239	HF-SP202/352/502/702(B) PRE LOAD SPRING	1	PC
191242	HF-SP202/352/502/702(B) BEARING EP6208ZZ	1	PC
332677	HG-SR121-702(4)/(B)(W0C) BEARING	1	PC
191246	HF-SP202/352/502/702(B) O-RING P-BR/WEIG	1	PC
278646	HG-SR-51A/B - 702A/B ENCODER SET	1	PC
191248	HF-SP52 up to 702(B) JOINT OLDHAM	1	PC
191249	HF-SP52 up to 702(B) JOINT TORQUE DISC	1	PC
191250	HF-SP52 up to 702(B) O-RING FOR ENCODER	1	PC

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

Material	Description / Price List Text / Classification
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
161574	MR-PWCNS5 Power Connector Set for HG-SR, HG-JR, HK-ST, KT-RT 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
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
202468	PCS060N-02.0-0C5 Power cable for HG-SR352/502, HK-RT503W/703W; high flexible, Desina, 2m Class 100100508: FA-Servo-Motion: Cable
202469	PCS060N-05.0-0C5 Power cable for HG-SR352/502, HK-RT503W/703W; high flexible, Desina, 5m Class 100100508: FA-Servo-Motion: Cable
202470	PCS060N-10.0-0C5 Power cable for HG-SR352/502, HK-RT503W/703W; high flexible, Desina, 10m Class 100100508: FA-Servo-Motion: Cable
202471	PCS060N-20.0-0C5 Power cable for HG-SR352/502, HK-RT503W/703W; high flexible, Desina, 20m Class 100100508: FA-Servo-Motion: Cable
202472	PCS060N-30.0-0C5 Power cable for HG-SR352/502, HK-RT503W/703W; high flexible, Desina, 30m Class 100100508: FA-Servo-Motion: Cable
204767	PCS060N-15.0-0C5 Power cable; for HG-SR352/502, HF-SP352/502/5024, high flexible, Desina, 15m 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
227427	MR-BKCNS1A Brake Connector-Set for HF-JP(B), HK-ST/RT motor Class 100100509: FA-Servo-Motion: Connector
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
248686	MR-ENCNS2 Encoder Connector Set for HG-SN/SR, HK-ST/RT motor, IP67 (Straight Type) Class 100100509: FA-Servo-Motion: Connector

Material	Description / Price List Text / Classification
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
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
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