



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://emea.mitsubishielectric.com/fa/shop/material-page/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*cm ²)	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)	119
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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
Product Code	SERVO

Export Data

Commodity Code	85015220
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
EAC	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
755677	HG-SNS52(B)-SNS302(B) BEARING BRACKET	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

Material	Description / Price List Text / Classification
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
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

Material	Description / Price List Text / Classification
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
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