



MATERIAL FACT SHEET

248672 HG-SR102

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/000000000000248672

FA-Servo-Motion: Servo Motor

Series	MELSERVO-J4
Type	HG-SR
Power Supply (V)	200
Rated Capacity (kW)	1
Inertia	MEDIUM INERTIA
Rated Torque (Nm)	4,8
Maximum Torque (Nm)	14,3
Rated Speed (rpm)	2000
Maximum Speed (rpm)	3000
Inertia (kg*cm2)	11,6
Brake	NO
Shaft Type	STRAIGHT SHAFT
Protection Class	IP67
Current Type	AC
Encoder Type	22-BIT
Encoder Resolution (p/rev)	4194304

Product Dimensions & Weight

Width (mm)	130
Height (mm)	177,5
Depth (mm)	187,5
Weight (kg)	6,2

Logistic Dimensions & Gross Weight

Length (cm)	32,0
Width (cm)	16,5
Height (cm)	24,0
Gross Weight (kg)	6,270
Volume (cdm)	12,672

Stock Data

Planned Delivery Time (Days)	72
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Life Cycle

Sales Start	11.04.2012
Predecessor	161526 / HF-SP102

Additional Product Information

Binding Tariff Information	DEBTI-10611/21-1
BTI validity date	26.09.2024
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	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-SR102&doc-lang=en
Certificates URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt8050dd1408c11cc2&q=HG-SR102&doc-lang=en
CAD URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt26ecc97a31a841c1&q=HG-SR102&doc-lang=en

Product Packaging

Cardboard (g)	530
Other paper (g)	0
Aluminum (g)	0
Steel (g)	0
Styrofoam (g)	0
Other plastic (g)	6,7
Wood (g)	0
Glass (g)	0
Others (g)	1

Spare parts

Material	Description	Quantity	Unit
191212	HF-SP52/102/152(B) CONNECTOR PIN	3	PC
278628	HG-SR-51 - 152 P-BRACKET	1	PC
278630	HG-SR-51 - 152 O-BRACKET	1	PC
191223	HF-SP52/102/152(B) O-RING FOR FRAME/BRAK	2	PC
191225	HF-SP52/102/152(B) O-RING FOR MOUNT/BRAC	1	PC
191227	HF-SP52/102/152(B) CONNECTOR POWER	1	PC
191238	HF-SP52/102/152(B) PRE LOAD SPRING	1	PC
191240	HF-SP52/102/152(B) BEARING TMB206ZZ	1	PC
332676	HG-SR51-152(4)/(B)(W0C) BEARING	1	PC
191245	HF-SP52/102/152(B) O-RINGP-BR/WEIGHT	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
161573	MR-PWCNS4 Power Connector Set for HG-SR, HG-JR, HK-ST 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
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

Material	Description / Price List Text / Classification
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
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