



MATERIAL FACT SHEET

582276 HK-RT103WB

General Data

Product Hierarchy	IAK30234
	SERVO and Motion
	HK-RT
Ext. Material Group	10 STANDARD ITEM
ABC Indicator	C (Non-Stock Material / Make-to-Order)

e-shop: https://mitsubishi-electric-eshop.mee.com/mee/FA_IA/EUR/en/p/000000000000582276

FA-Servo-Motion: Servo Motor

Series	MELSERVO-J5
Type	HK-RT
Power Supply (V)	200
Rated Capacity (kW)	1
Inertia	ULTRA-LOW INERTIA
Rated Torque (Nm)	3,2
Maximum Torque (Nm)	8
Rated Speed (rpm)	3000
Maximum Speed (rpm)	6700
Inertia (kg*cm ²)	1,06
Brake	YES
Shaft Type	STRAIGHT SHAFT
Protection Class	IP67
Current Type	AC
Encoder Type	26-BIT
Encoder Resolution (p/rev)	67108864

Product Dimensions & Weight

Width (mm)	90
Height (mm)	106,6
Depth (mm)	198,3
Weight (kg)	4,7

Logistic Dimensions & Gross Weight

Length (cm)	33,0
Width (cm)	19,0
Height (cm)	23,0
Gross Weight (kg)	5,300
Volume (cdm)	14,421

Stock Data

Planned Delivery Time (Days)	100
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Life Cycle

Predecessor	No Predecessor
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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

Dangerous Goods Class	NO
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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=HK-RT103WB&doc-lang=en
Certificates URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt8050dd1408c11cc2&q=HK-RT103WB&doc-lang=en
CAD URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt2ecc97a31a841c1&q=HK-RT103WB&doc-lang=en

Product Packaging

Cardboard (g)	760
Other paper (g)	0,5
Aluminum (g)	0
Steel (g)	0
Styrofoam (g)	0
Other plastic (g)	6,9
Wood (g)	0
Glass (g)	0
Others (g)	1

Compatible products

Material	Description / Price List Text / Classification
161572	MR-ECNM Encoder-connector-set for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR motor types Class 100100509: FA-Servo-Motion: Connector
192174	MR-J3CN2 Encoder-connector-set (for CN2L) Class 100100509: FA-Servo-Motion: Connector
481664	MR-AEPB1CBL5M-A1-H Motor cable for HK-KT; Load-side; Highflexible; 5 m, IP65; Brake wires Class 100100508: FA-Servo-Motion: Cable
481988	MR-AEPB2CBL2M-A1-H Motor cable for HK-KT; Load-side; Highflexible; 2 m, IP65; Brake wires;Dual Class 100100508: FA-Servo-Motion: Cable
481989	MR-AEPB2CBL5M-A1-H Motor cable for HK-KT; Load-side; Highflexible; 5 m, IP65; Brake wires;Dual Class 100100508: FA-Servo-Motion: Cable
481990	MR-AEPB2CBL10M-A1-H Motor cable for HK-KT; Load-side; Highflexible; 10 m, IP65; Brake wires;Dual Class 100100508: FA-Servo-Motion: Cable
481991	MR-AEPB2CBL2M-A1-L Motor cable for HK-KT; Load-side; Standard; 2 m, IP65; Brake wires;Dual Class 100100508: FA-Servo-Motion: Cable
481992	MR-AEPB2CBL5M-A1-L Motor cable for HK-KT; Load-side; Standard; 5 m, IP65; Brake wires;Dual Class 100100508: FA-Servo-Motion: Cable
481993	MR-AEPB2CBL10M-A1-L Motor cable for HK-KT; Load-side; Standard; 10 m, IP65; Brake wires;Dual Class 100100508: FA-Servo-Motion: Cable
481994	MR-AEPB2CBL2M-A2-H Motor cable for HK-KT; Opposite Load-side; Highflexible; 2 m; Brake wires; Dual Class 100100508: FA-Servo-Motion: Cable
481995	MR-AEPB2CBL5M-A2-H Motor cable for HK-KT; Opposite Load-side; Highflexible; 5 m; Brake wires; Dual Class 100100508: FA-Servo-Motion: Cable
481996	MR-AEPB2CBL10M-A2-H Motor cable for HK-KT; Opposite Load-side; Highflexible; 10m; Brake wires; Dual Class 100100508: FA-Servo-Motion: Cable
481997	MR-AEPB2CBL2M-A2-L Motor cable for HK-KT; Opposite Load-side; Standard; 2 m; Brake wires; Dual Class 100100508: FA-Servo-Motion: Cable
481998	MR-AEPB2CBL5M-A2-L Motor cable for HK-KT; Opposite Load-side; Standard; 5 m; Brake wires; Dual Class 100100508: FA-Servo-Motion: Cable

Material	Description / Price List Text / Classification
481999	MR-AEPB2CBL10M-A2-L Motor cable for HK-KT; Opposite Load-side; Standard; 10m; Brake wires; Dual Class 100100508: FA-Servo-Motion: Cable
482019	MR-AEPB1CBL2M-A1-H Motor cable for HK-KT; Load-side; Highflexible; 2 m, IP65; Brake wires Class 100100508: FA-Servo-Motion: Cable
482020	MR-AEPB1CBL10M-A1-H Motor cable for HK-KT; Load-side; Highflexible; 10 m, IP65; Brake wires Class 100100508: FA-Servo-Motion: Cable
482021	MR-AEPB1CBL2M-A1-L Motor cable for HK-KT; Load-side; Standard; 2 m, IP65; Brake wires Class 100100508: FA-Servo-Motion: Cable
482022	MR-AEPB1CBL5M-A1-L Motor cable for HK-KT; Load-side; Standard; 5 m, IP65; Brake wires Class 100100508: FA-Servo-Motion: Cable
482023	MR-AEPB1CBL10M-A1-L Motor cable for HK-KT; Load-side; Standard; 10 m, IP65; Brake wires Class 100100508: FA-Servo-Motion: Cable
482024	MR-AEPB1CBL2M-A2-H Motor cable for HK-KT; Opposite Load-side; Highflexible; 2 m, IP65; Brake wires Class 100100508: FA-Servo-Motion: Cable
482025	MR-AEPB1CBL5M-A2-H Motor cable for HK-KT; Opposite Load-side; Highflexible; 5 m, IP65; Brake wires Class 100100508: FA-Servo-Motion: Cable
482026	MR-AEPB1CBL10M-A2-H Motor cable for HK-KT; Opposite Load-side; Highflexible; 10 m, IP65; Brake wires Class 100100508: FA-Servo-Motion: Cable
482027	MR-AEPB1CBL2M-A2-L Motor cable for HK-KT; Opposite Load-side; Standard; 2 m, IP65; Brake wires Class 100100508: FA-Servo-Motion: Cable
482028	MR-AEPB1CBL5M-A2-L Motor cable for HK-KT; Opposite Load-side; Standard; 5 m, IP65; Brake wires Class 100100508: FA-Servo-Motion: Cable
482029	MR-AEPB1CBL10M-A2-L Motor cable for HK-KT; Opposite Load-side; Standard; 10 m, IP65; Brake wires Class 100100508: FA-Servo-Motion: Cable
482054	MR-AEPB2J10CBL03M-A1-L Motor cable for HK-KT; Load-side; Standard; 0,3 m, IP20; Brake wires; Dual Class 100100508: FA-Servo-Motion: Cable
482055	MR-AEPB2J10CBL03M-A2-L Motor cable for HK-KT; Opposite Load-side; Standard; 0,3 m, IP20; Brake; Dual Class 100100508: FA-Servo-Motion: Cable
482056	MR-AEKCBL20M-H Encoder cable for HK-KT; Highflexible; 20 m; IP20; Class 100100508: FA-Servo-Motion: Cable
482057	MR-AEKCBL30M-H Encoder cable for HK-KT; Highflexible; 30 m; IP20; Class 100100508: FA-Servo-Motion: Cable
482058	MR-AEKCBL40M-H Encoder cable for HK-KT; Highflexible; 40 m; IP20; Class 100100508: FA-Servo-Motion: Cable
482059	MR-AEKCBL50M-H Encoder cable for HK-KT; Highflexible; 50 m; IP20; Class 100100508: FA-Servo-Motion: Cable
482060	MR-AEKCBL20M-L Encoder cable for HK-KT; Standard; 20 m; IP20; Class 100100508: FA-Servo-Motion: Cable
482061	MR-AEKCBL30M-L Encoder cable for HK-KT; Standard; 30 m; IP20; Class 100100508: FA-Servo-Motion: Cable
482077	MR-AEPB2J20CBL03M-A1-L Motor cable for HK-KT; Load-side; Standard; 0,3 m, IP65; Brake wires; Dual Class 100100508: FA-Servo-Motion: Cable
482078	MR-AEPB2J20CBL03M-A2-L Motor cable for HK-KT; Opposite Load-side; Standard; 0,3 m; IP65; Brake; Dual Class 100100508: FA-Servo-Motion: Cable
609638	MR-AEPB2CBL2M-A5-H Motor cable for HK-KT/HK-MT/HK-RT103(4)/153(4)/203(4)WB; hi-flex; 2m, IP65 Class 100100508: FA-Servo-Motion: Cable

Material	Description / Price List Text / Classification
609639	MR-AEPB2CBL5M-A5-H Motor cable for HK-KT/HK-MT/HK-RT103(4)/153(4)/203(4)WB; hi-flex; 5m, IP65 Class 100100508: FA-Servo-Motion: Cable
609640	MR-AEPB2CBL10M-A5-H Motor cable for HK-KT/HK-MT/HK-RT103(4)/153(4)/203(4)WB; hi-flex; 10m, IP65 Class 100100508: FA-Servo-Motion: Cable
609641	MR-AEPB2CBL2M-A5-L Motor cable for HK-KT/HK-MT/HK-RT103(4)/153(4)/203(4)WB; Standard; 2m, IP65 Class 100100508: FA-Servo-Motion: Cable
609642	MR-AEPB2CBL5M-A5-L Motor cable for HK-KT/HK-MT/HK-RT103(4)/153(4)/203(4)WB; Standard; 5m, IP65 Class 100100508: FA-Servo-Motion: Cable
609643	MR-AEPB2CBL10M-A5-L Motor cable for HK-KT/HK-MT/HK-RT103(4)/153(4)/203(4)WB; Standard; 10m, IP65 Class 100100508: FA-Servo-Motion: Cable
609649	MR-AEPB1CBL2M-A5-H Motor cable for HK-KT/HK-MT/HK-RT103(4)/153(4)/203(4)WB; hi-flex; 2m, IP65 Class 100100508: FA-Servo-Motion: Cable
609650	MR-AEPB1CBL5M-A5-H Motor cable for HK-KT/HK-MT/HK-RT103(4)/153(4)/203(4)WB; hi-flex; 5m, IP65 Class 100100508: FA-Servo-Motion: Cable
609651	MR-AEPB1CBL10M-A5-H Motor cable for HK-KT/HK-MT/HK-RT103(4)/153(4)/203(4)WB; hi-flex; 10m, IP65 Class 100100508: FA-Servo-Motion: Cable
609652	MR-AEPB1CBL2M-A5-L Motor cable for HK-KT/HK-MT/HK-RT103(4)/153(4)/203(4)WB; Standard; 2m, IP65 Class 100100508: FA-Servo-Motion: Cable
609653	MR-AEPB1CBL5M-A5-L Motor cable for HK-KT/HK-MT/HK-RT103(4)/153(4)/203(4)WB; Standard; 5m, IP65 Class 100100508: FA-Servo-Motion: Cable
609654	MR-AEPB1CBL10M-A5-L Motor cable for HK-KT/HK-MT/HK-RT103(4)/153(4)/203(4)WB; Standard; 10m, IP65 Class 100100508: FA-Servo-Motion: Cable