



MATERIAL FACT SHEET

232903 TM-RFM048G20

General Data

Product Hierarchy	IAK30217
	SERVO and Motion
	TM Torque Motor
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_IJA/EUR/en/p/000000000000232903

FA-Servo-Motion: Servo Motor

Series	MELSERVO-J4
Series (2)	MELSERVO-J5
Type	TM-RFM
Power Supply (V)	200
Rated Capacity (kW)	1,005
Rated Torque (Nm)	48
Maximum Torque (Nm)	144
Rated Speed (rpm)	200
Maximum Speed (rpm)	500
Inertia (kg*cm ²)	615
Brake	NO
Shaft Type	STRAIGHT SHAFT
Protection Class	IP42
Current Type	AC
Encoder Type	20-BIT
Encoder Resolution (p/rev)	1048576

Product Dimensions & Weight

Width (mm)	230
Height (mm)	230
Depth (mm)	144
Weight (kg)	36

Logistic Dimensions & Gross Weight

Length (cm)	42,0
Width (cm)	39,5
Height (cm)	43,0
Gross Weight (kg)	42,000
Volume (cdm)	71,337

Stock Data

Planned Delivery Time (Days)	156
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Life Cycle

Sales Start	09.06.2010
Predecessor	No Predecessor

Additional Product Information

Binding Tariff Information	DE 16117/12-1
BTI validity date	05.02.2019
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
UL/cUL	COMPLIANT
EAC	COMPLIANT
UKCA	COMPLIANT

Documentation & Media Data

Manual URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=bltdae25c2bd5f2f94&q=TM-RFM048G20&doc-lang=en
Certificates URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt8050dd1408c11cc2&q=TM-RFM048G20&doc-lang=en
CAD URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt26ecc97a31a841c1&q=TM-RFM048G20&doc-lang=en

Product Packaging

Cardboard (g)	3000
Other paper (g)	0
Aluminum (g)	0
Steel (g)	0
Styrofoam (g)	0
Other plastic (g)	40
Wood (g)	0
Glass (g)	0
Others (g)	0

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
227979	MR-J3DDCNS Encoder-connector-set for TM-RF Class 100100509: FA-Servo-Motion: Connector
227980	MR-J3DDSPS Encoder-connector-set for TM-RF und MR-BTAS01 Class 100100509: FA-Servo-Motion: Connector
227981	MR-BTAS01 Absolute unit Class 100100510: FA-Servo-Motion: Other Option