

MATERIAL FACT SHEET

268786 MR-J4-100B4-RJ020

General Data

Product Hierarchy	IAK30012
	SERVO and Motion
	MR-J4
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/000000000000268786

FA-Servo-Motion: Servo Amplifier

Series	MELSERVO-J4
Type	MR-J4
Command Interface	SSCNET
Rated Capacity (kW)	1
Number of Axes	1
Safety Function Type	STO (IEC/EN 61800-5-2)
Power Supply 3 Phase (VAC)	380-480
Dynamic Break	BUILT-IN

Product Dimensions & Weight

Width (mm)	60
Height (mm)	168
Depth (mm)	195
Weight (kg)	1,7

Logistic Dimensions & Gross Weight

Length (cm)	30,5
Width (cm)	22,0
Height (cm)	9,0
Gross Weight (kg)	2,017
Volume (cdm)	6,039

Stock Data

Planned Delivery Time (Days)	114
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Life Cycle

Sales Start	09.10.2013
Predecessor	No Predecessor

Additional Product Information

Difference to Standard 1	MR-J2S COMPATIBLE
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	YES
REACH Substance CAS Number	1303-86-2
REACH Substance CAS Number (2)	13560-89-9
REACH Substance CAS Number (3)	15571-58-1
REACH Substance CAS Number (4)	7439-92-1
Dangerous Goods Class	NO
Dangerous Goods Identifier	NO

RoHS Compliance	COMPLIANT
WEEE	B2B

Conformity

CE	COMPLIANT
UL/cUL	COMPLIANT
UKCA	COMPLIANT

Documentation & Media Data

Manual URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=bltdae25c2bd5f2ff94&q=MR-J4-100B4-RJ020&doc-lang=en
Certificates URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt8050dd1408c11cc2&q=MR-J4-100B4-RJ020&doc-lang=en
CAD URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt26ecc97a31a841c1&q=MR-J4-100B4-RJ020&doc-lang=en

Product Packaging

Cardboard (g)	290
Other paper (g)	0
Aluminum (g)	0
Steel (g)	0
Styrofoam (g)	0
Other plastic (g)	10
Wood (g)	0
Glass (g)	0
Others (g)	0

Compatible products

Material	Description / Price List Text / Classification
55910	MR-CPCATCBL3M Computer Link Cable for MR-J2S; MR-C; 3 m Class 100100508: FA-Servo-Motion: Cable
55912	MR-J2CN1 Connector Kit CN1 I/O Class 100100509: FA-Servo-Motion: Connector
154746	MR-PWR-R T 400-120 Brake resistor with thermocontact (400 V series) for MR-J4/J5; 120 Ohm/400W Class 100100510: FA-Servo-Motion: Other Option
155606	UC232A USB-RS232 Adapter USB-RS232 Adaptor for VFD Setup Software (adapter cable+manual) Class 100100304: FA-HMI: Other Option
161559	MR-EKCB20M-H Encoder cable; for HF-KE,-KN,-KP,-MP, HG-KR,-MR, high-flex 20m (motor shaft) Class 100100508: FA-Servo-Motion: Cable
161560	MR-EKCB30M-H Encoder cable; for HF-KE,-KN,-KP,-MP, HG-KR,-MR, high-flex 30m (motor shaft) Class 100100508: FA-Servo-Motion: Cable
161561	MR-EKCB20M-L Encoder cable; for HF-KE,-KN,-KP,-MP, HG-KR,-MR, 20m (lead out encoder) Class 100100508: FA-Servo-Motion: Cable
161562	MR-EKCB30M-L Encoder cable; for HF-KE,-KN,-KP,-MP, HG-KR,-MR, 30m (lead out encoder) Class 100100508: FA-Servo-Motion: Cable
161572	MR-ECNM Encoder-connector-set for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR motor types Class 100100509: FA-Servo-Motion: Connector
161579	MR-J3BUS015M SSCNET III Buscable, 0,15 m Class 100100508: FA-Servo-Motion: Cable
161580	MR-J3BUS03M SSCNET III Buscable, 0,3 m Class 100100508: FA-Servo-Motion: Cable
161581	MR-J3BUS05M SSCNET III Buscable, 0,5 m Class 100100508: FA-Servo-Motion: Cable
161582	MR-J3BUS1M SSCNET III Buscable, 1m Class 100100508: FA-Servo-Motion: Cable
161583	MR-J3BUS3M SSCNET III Buscable, 3 m Class 100100508: FA-Servo-Motion: Cable

Material	Description / Price List Text / Classification
161584	MR-J3BUS5M-A SSCNET III Buscable, 5 m Class 100100508: FA-Servo-Motion: Cable
161585	MR-J3BUS10M-A SSCNET III Buscable, 10 m Class 100100508: FA-Servo-Motion: Cable
161586	MR-J3BUS20M-A SSCNET III Buscable, 20 m Class 100100508: FA-Servo-Motion: Cable
161587	MR-J3BUS30M-B SSCNET III Buscable, 30 m Class 100100508: FA-Servo-Motion: Cable
161588	MR-J3BUS40M-B SSCNET III Buscable, 40 m Class 100100508: FA-Servo-Motion: Cable
161589	MR-J3BUS50M-B SSCNET III Buscable, 50 m Class 100100508: FA-Servo-Motion: Cable
161590	MR-J3BCN1 Connectorset SSCNET III MR-J3-B Class 100100509: FA-Servo-Motion: Connector
192174	MR-J3CN2 Encoder-connector-set (for CN2L) Class 100100509: FA-Servo-Motion: Connector
206147	PSU 25 Power supply unit for 100-240V AC; Output 24V DC, DIN rail mounting Class 100100304: FA-HMI: Other Option
208775	MF-3F480-010.233MF Radio interference filter for MR-J3/MR-J4/MR-J5; 10 A; 3-phase 480 V AC/50-60 Hz Class 100100506: FA-Servo-Motion: Filter
212032	TB-20-EG (IT68) Terminal block, 20 pin., screw connection Class 100100510: FA-Servo-Motion: Other Option
212095	MR-J3TBL-CN3-1M-EG (IT69) Cable MR-J5-B/MR-J5-G/MR-JET/MR-J4-B /MR-JE-B - TB-20-EG , Length 1 m Class 100100508: FA-Servo-Motion: Cable
212096	MR-J3TBL-CN3-05M-EG (IT70) Cable MR-J5-B/MR-J5-G/MR-JET/MR-J4-B /MR-JE-B - TB-20-EG , Length 0,5 m Class 100100508: FA-Servo-Motion: Cable
215497	MR-J3TBL-CN3-3M-EG (IT) Cable MR-J5-B/MR-J5-G/MR-JET/MR-J4-B /MR-JE-B- TB-20-EG , Length 3 m Class 100100508: FA-Servo-Motion: Cable
227486	MR-J3-D05 Safety Logic Unit for MR-J3-BSafety/MR-J4 Servo Amplifier Class 100100505: FA-Servo-Motion: Motion Control Option
227986	MR-D05UDL3M-B STO cable 3m Class 100100508: FA-Servo-Motion: Cable
229788	MR-EKCBL50M-H Encodercable; for HF-KP(B)/HF-MP(B), high-flex 50m (lead out motor shaft), IP20 Class 100100508: FA-Servo-Motion: Cable
246915	MR-EKCBL5M-H Encodercable; high-flex, 5m, IP20 Class 100100508: FA-Servo-Motion: Cable
248691	MR-BAT6V1SET MR-J4 Battery-Set incl. MR-BAT6V1 Class 100100511: FA-Servo-Motion: Spare Part
248691	MR-BAT6V1SET MR-J4 Battery-Set incl. MR-BAT6V1 Class 100101303: FA-OTHERS: Battery
248692	MR-BAT6V1 MR-J4 Battery 6V/1650mAh Class 100100511: FA-Servo-Motion: Spare Part
248692	MR-BAT6V1 MR-J4 Battery 6V/1650mAh Class 100101303: FA-OTHERS: Battery
248693	MR-BT6VCASE Battery case (5 x MR-BAT6V1); w/o batteries Class 100100511: FA-Servo-Motion: Spare Part

Material	Description / Price List Text / Classification
248694	MR-BT6V1CBL03M Connection cable for MR-BT6VCASE 0.3 m Class 100100508: FA-Servo-Motion: Cable
248695	MR-BT6V1CBL1M Connection cable for MR-BT6VCASE 1 m Class 100100508: FA-Servo-Motion: Cable
248696	MR-BT6V2CBL03M Expansion cable for MR-BT6VCASE 0.3 m Class 100100508: FA-Servo-Motion: Cable
248697	MR-BT6V2CBL1M Expansion cable for MR-BT6VCASE 1 m Class 100100508: FA-Servo-Motion: Cable
268791	MR-J4-T20 Conversion Unit for SSCNET of MR-J2S-B Class 100100510: FA-Servo-Motion: Other Option
269846	MR-J4T20CH00 Adapter cable for MR-CPCATCBL3M Class 100100508: FA-Servo-Motion: Cable
271219	SC-J2SJ4CSET-01 Renewal Kit MR-J2S-A - MR-J4-A Amplifier cable set 7kW or less Class 100100510: FA-Servo-Motion: Other Option
271231	SC-J2SJ4ENC03M Renewal Kit MR-J2S-A/B - MR-J4-A/B Encoder conversion cable; MR-J3CH00 Class 100100510: FA-Servo-Motion: Other Option
277559	MR-BAT6V1BJ MR-J4 Battery for junction battery cable Class 100100511: FA-Servo-Motion: Spare Part
277559	MR-BAT6V1BJ MR-J4 Battery for junction battery cable Class 100101303: FA-OTHERS: Battery
277560	MR-BT6VCBL03M MR-J4 battery cable (0.3m) Class 100100508: FA-Servo-Motion: Cable
289342	SC-J2SJ4BS02 MR-J4 400V amplifier: for 0.6, 1kW Mounting plate (amplifier base x1) Class 100100510: FA-Servo-Motion: Other Option
295829	SC-J2SBJ4CT1C03M Renewal Kit Cable MR-J2S-B - MR-J4-B under 7kW; Control signal cable Class 100100510: FA-Servo-Motion: Other Option
303318	MR-J4CBL20-CN3-3M-EG Connection cable MR-J5-B/MR-J5-G/MR-JET/MR-J4-B /MR-JE-B with open end - 3m Class 100100508: FA-Servo-Motion: Cable
303906	MR-J4CBL20-CN3-1M-EG Connection cable MR-J5-B/MR-J5-G/MR-JET/MR-J4-B /MR-JE-B with open end - 1m Class 100100508: FA-Servo-Motion: Cable