

MATERIAL FACT SHEET

290164 MR-J4-500TM-ECT

General Data

Product Hierarchy	IAK30012
	SERVO and Motion
	MR-J4
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/000000000000290164

Product Components

289127 / MR-J4-500TM	1 pc required
409378 / AB6916-C-203	1 pc required

FA-Servo-Motion: Servo Amplifier

Series	MELSERVO-J4
Type	MR-J4
Command Interface	ETHERCAT
Rated Capacity (kW)	5
Number of Axes	1
Safety Function Type	STO (IEC/EN 61800-5-2)
Power Supply 3 Phase (VAC)	200-240
Dynamic Break	BUILT-IN

Product Dimensions & Weight

Width (mm)	105
Height (mm)	250
Depth (mm)	206
Weight (kg)	4

Logistic Dimensions & Gross Weight

Length (cm)	29,0
Width (cm)	20,0
Height (cm)	25,0
Gross Weight (kg)	4,947
Volume (cdm)	14,500

Stock Data

Planned Delivery Time (Days)	5
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Life Cycle

Sales Start	01.09.2015
Predecessor	247023 / MR-J3-500A-EtherCAT

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

REACH Limit Exceeded	NO
Dangerous Goods Class	NO
Dangerous Goods Identifier	NO
RoHS Compliance	COMPLIANT

WEEE	B2B
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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=bltdae25c2bd5f2ff94&q=MR-J4-500TM-ECT&doc-lang=en
Certificates URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt8050dd1408c11cc2&q=MR-J4-500TM-ECT&doc-lang=en
CAD URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt26ecc97a31a841c1&q=MR-J4-500TM-ECT&doc-lang=en

Product Packaging

Cardboard (g)	900
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

Spare parts

Material	Description	Quantity	Unit
313418	MR-J4-350A(B)4 COVER FAN	1	PC
210863	MR-J3-500AB/700AB COVER SIDE	1	PC

Compatible products

Material	Description / Price List Text / Classification
55912	MR-J2CN1 Connector Kit CN1 I/O Class 100100509: FA-Servo-Motion: Connector
137275	MR-PWR-R 600-6,7 / MR-RFH 400-6,7 Brake resistor (200 V series) for MR-J4/J5; 6.7 Ohm/600 W Class 100100510: FA-Servo-Motion: Other Option
137306	MT-7.5-60 Three-Phase-Autotransformer 400/230 V; 7,5 kVA, 60 % ED Class 100100510: FA-Servo-Motion: Other Option
160229	MR-J3USBCBL3M USB PC Communication cable 3m Class 100100508: FA-Servo-Motion: Cable
161559	MR-EKCBLL20M-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-EKCBLL30M-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-EKCBLL20M-L Encoder cable; for HF-KE,-KN,-KP,-MP, HG-KR,-MR, 20m (lead out encoder) Class 100100508: FA-Servo-Motion: Cable
161562	MR-EKCBLL30M-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
192174	MR-J3CN2 Encoder-connector-set (for CN2L) Class 100100509: FA-Servo-Motion: Connector
203855	MF-3F480-050.230MF3 Radio interference filter for MR-J3/MR-J4/MR-J5; 50 A; 3-phase 480 V AC/50-60 Hz Class 100100506: FA-Servo-Motion: Filter
206147	PSU 25 Power supply unit for 100-240V AC; Output 24V DC, DIN rail mounting Class 100100304: FA-HMI: Other Option

Material	Description / Price List Text / Classification
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
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 Encoder cable; 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 Encoder cable; high-flex, 5m, IP20 Class 100100508: FA-Servo-Motion: Cable
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
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
251540	MR Configurator2 V01-1L0C-E MELSERVO Setup-Software for MR-JE/-J3/-J4/-J5 Class 100101205: FA-Software: Software Motion
275670	MR-D30 Functional safety unit for MR-J4 (STO/SS1/SBC/SLS/SSM) 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
281981	MR-BAT6V1SET-A MR-JE-B / MR-J4-GF Battery-Set incl. MR-BAT6V1 Class 100100511: FA-Servo-Motion: Spare Part
281981	MR-BAT6V1SET-A MR-JE-B / MR-J4-GF Battery-Set incl. MR-BAT6V1 Class 100101303: FA-OTHERS: Battery
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