



MATERIAL FACT SHEET

269248 MR-J4-20A-RJ

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://emea-fa.mitsubishielectric.com/fa/shop/material-page/00000000000269248>

FA-Servo-Motion: Servo Amplifier

| | |
|------------------------|------------------------|
| Series | MELSERVO-J4 |
| Type | MR-J4 |
| Command Interface | GENERIC INTERFACE |
| Rated Capacity (kW) | 0,2 |
| Number of Axes | 1 |
| Safety Function Type | STO (IEC/EN 61800-5-2) |
| Power Supply (VAC) | 1PHASE 230V |
| Power Supply (VAC) (2) | 3PHASE 230V |
| Dynamic Break | BUILT-IN |

Product Dimensions & Weight

| | |
|-------------|-----|
| Width (mm) | 40 |
| Height (mm) | 168 |
| Depth (mm) | 135 |
| Weight (kg) | 0,8 |

Logistic Dimensions & Gross Weight

| | |
|-------------------|-------|
| Length (cm) | 22,0 |
| Width (cm) | 22,0 |
| Height (cm) | 7,0 |
| Gross Weight (kg) | 0,938 |
| Volume (cdm) | 3,388 |

Stock Data

| | |
|------------------------------|-----|
| Planned Delivery Time (Days) | 147 |
|------------------------------|-----|

Life Cycle

| | |
|-------------|--------------------|
| Sales Start | 28.10.2013 |
| Predecessor | 161485 / MR-J3-20A |

Additional Product Information

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|----------------------------|------------------|
| Binding Tariff Information | DEBTI-19568/25-1 |
| BTI validity date | 19.02.2029 |
| Battery included | NO |
| Product Code | SERVO |

Export Data

| | |
|--|------------|
| Commodity Code | 85044095 |
| 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 | 10141-05-6 |
| REACH Substance CAS Number (2) | 108-78-1 |

| | |
|---------------------------------|-----------------------------|
| REACH Substance CAS Number (3) | 115-86-6 |
| REACH Substance CAS Number (4) | 119-47-1 |
| REACH Substance CAS Number (5) | 119313-12-1 |
| REACH Substance CAS Number (6) | 1303-86-2 |
| REACH Substance CAS Number (7) | 15571-58-1 |
| REACH Substance CAS Number (8) | 3147-75-9 |
| REACH Substance CAS Number (9) | 540-97-6 |
| REACH Substance CAS Number (10) | 541-02-6 |
| REACH Substance CAS Number (11) | 556-67-2 |
| REACH Substance CAS Number (12) | 71868-10-5 |
| REACH Substance CAS Number (13) | 7439-92-1 |
| REACH Substance CAS Number (14) | 75980-60-8 |
| REACH Substance CAS Number (15) | 79-94-7 |
| 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=MR-J4-20A-RJ&doc-lang=en |
| Certificates URL Indicator | https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt8050dd1408c11cc2&q=MR-J4-20A-RJ&doc-lang=en |
| CAD URL Indicator | https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt26ecc97a31a841c1&q=MR-J4-20A-RJ&doc-lang=en |

Product Packaging

| | |
|-------------------|-----|
| Cardboard (g) | 200 |
| 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 |
|------------------------|--|----------|------|
| 313423 | MR-J4-10-700A/KA(4)-RJ PCB CPU J4A-C16 | 1 | PC |

Compatible products

| Material | Description / Price List Text / Classification |
|------------------------|---|
| 55912 | MR-J2CN1 Connector Kit CN1 I/O Class 100100509: FA-Servo-Motion: Connector |
| 70727 | FR-A5 CBL 1 Cable for connecting Inverter and Programming panel; 1m Class 100100405: FA-Inverter: Cable |
| 128728 | MR-HDP01 Electronic Pulser / Incremental Interface Class 100100510: FA-Servo-Motion: Other Option |
| 137279 | MR-PWR-R 150-40 / MR-RFH 75-40 Brake resistor (200 V) for MR-JE/J4/J5 40; Ohm/150 W; (MR-RB032, MR-RB12) Class 100100510: FA-Servo-Motion: Other Option |
| 160225 | MR-J3CN1 signal connector for MR-J3-A Class 100100509: FA-Servo-Motion: Connector |
| 160229 | MR-J3USBCBL3M USB PC Communication cable 3m Class 100100508: FA-Servo-Motion: Cable |
| 161559 | MR-EKCBL20M-H Encoder cable; for HF-KE,-KN,-KP,-MP, HG-KR,-MR, high-flex 20m (motor shaft) Class 100100508: FA-Servo-Motion: Cable |

| Material | Description / Price List Text / Classification |
|------------------------|--|
| 161560 | MR-EKCBL30M-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-EKCBL20M-L Encoder cable; for HF-KE,-KN,-KP,-MP, HG-KR,-MR, 20m (lead out encoder) Class 100100508: FA-Servo-Motion: Cable |
| 161562 | MR-EKCBL30M-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 |
| 161578 | MR-J3CN6CBL1M Monitoring cable Class 100100508: FA-Servo-Motion: Cable |
| 189332 | MF-2F230-006.230MFa Radio interference filter for MR-J3/MR-J4/MR-J5; 6 A; 1-phase 230 V AC/50-60 Hz Class 100100506: FA-Servo-Motion: Filter |
| 189864 | MR-J2M-CN1TBL1M signal cable for MR-TB50 Class 100100508: FA-Servo-Motion: Cable |
| 190657 | MR-J3-D01 I/O extension modul Class 100100507: FA-Servo-Motion: Interface Card |
| 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 |
| 212032 | TB-20-EG (IT68) Terminal block, 20 pin., screw connection Class 100100510: FA-Servo-Motion: Other Option |
| 212033 | TB-50-EG (IT27) Terminal block, 50 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 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 |
| 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 |

| Material | Description / Price List Text / Classification |
|------------------------|--|
| 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 1L-USB MELSERVO Setup Software for MR-JE/-J3/-J4/-J5, 1 Licence USB 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 |
| 285013 | MR-D05UDL3M-B-EG STO cable for MR-J3-BS/MR-J4 CN8 with open end - 3m Class 100100508: FA-Servo-Motion: Cable |
| 285014 | MR-D05UDL5M-B-EG STO cable for MR-J3-BS/MR-J4 CN8 with open end - 5m Class 100100508: FA-Servo-Motion: Cable |
| 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 |
| 303320 | MR-J4CBL50-CN3-3M-EG Connection cable MR-J5-A/MR-J4-A /MR-JE-A 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 |
| 303908 | MR-J4CBL50-CN3-1M-EG Connection cable MR-J5-A/MR-J4-A /MR-JE-A with open end - 1m Class 100100508: FA-Servo-Motion: Cable |
| 304010 | GT01-C50RJ45-9P-EG GOT Connection cable for MR-J4-A, FR-A/-D/-E/-F and GOT HMIs; 5m Class 100100508: FA-Servo-Motion: Cable |
| 736443 | MR Configurator2 MELSERVO Setup Software for MR-JE/-J3/-J4/-J5, 1 Licence Email Class 100101205: FA-Software: Software Motion |