



## MATERIAL FACT SHEET

### 269287 MR-J4-500B-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://mitsubishi-electric-eshop.mee.com/mee/FA\\_IA/EUR/en/p/0000000000000269287](https://mitsubishi-electric-eshop.mee.com/mee/FA_IA/EUR/en/p/0000000000000269287)

#### FA-Servo-Motion: Servo Amplifier

|                            |                        |
|----------------------------|------------------------|
| Series                     | MELSERVO-J4            |
| Type                       | MR-J4                  |
| Command Interface          | SSCNETIII/H            |
| 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)  | 200 |
| Weight (kg) | 4   |

#### Logistic Dimensions & Gross Weight

|                   |        |
|-------------------|--------|
| Length (cm)       | 29,0   |
| Width (cm)        | 19,5   |
| Height (cm)       | 24,5   |
| Gross Weight (kg) | 4,902  |
| Volume (cdm)      | 13,855 |

#### Stock Data

|                              |     |
|------------------------------|-----|
| Planned Delivery Time (Days) | 156 |
|------------------------------|-----|

#### Life Cycle

|             |                           |
|-------------|---------------------------|
| Sales Start | 28.10.2013                |
| Predecessor | 236857 / MR-J3-500B-RJ004 |

#### Additional Product Information

|                  |    |
|------------------|----|
| 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     | <a href="#">1303-86-2</a>  |
| REACH Substance CAS Number (2) | <a href="#">13560-89-9</a> |
| REACH Substance CAS Number (3) | <a href="#">7439-92-1</a>  |
| 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       | <a href="https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=bltdae25c2bd5f2ff94&amp;q=MR-J4-500B-RJ&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=bltdae25c2bd5f2ff94&amp;q=MR-J4-500B-RJ&amp;doc-lang=en</a> |
| Certificates URL Indicator | <a href="https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt8050dd1408c11cc2&amp;q=MR-J4-500B-RJ&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt8050dd1408c11cc2&amp;q=MR-J4-500B-RJ&amp;doc-lang=en</a> |
| CAD URL Indicator          | <a href="https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt26ecc97a31a841c1&amp;q=MR-J4-500B-RJ&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt26ecc97a31a841c1&amp;q=MR-J4-500B-RJ&amp;doc-lang=en</a> |

## 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 |
|------------------------|----------------------------------------|----------|------|
| <a href="#">313424</a> | MR-J4-10-700B/KB(4)-RJ PCB CPU J4B-C13 | 1        | PC   |

## Compatible products

| Material               | Description / Price List Text / Classification                                                                                                   |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">55912</a>  | MR-J2CN1<br>Connector Kit CN1 I/O<br>Class 100100509: FA-Servo-Motion: Connector                                                                 |
| <a href="#">137275</a> | MR-PWR-R 600-6,7 / MR-RFH 400-6,7<br>Brake resistor (200 V series) for MR-J4/J5; 6.7 Ohm/600 W<br>Class 100100510: FA-Servo-Motion: Other Option |
| <a href="#">137306</a> | MT-7.5-60<br>Three-Phase-Autotransformer 400/230 V; 7,5 kVA, 60 % ED<br>Class 100100510: FA-Servo-Motion: Other Option                           |
| <a href="#">160229</a> | MR-J3USBCBL3M<br>USB PC Communication cable 3m<br>Class 100100508: FA-Servo-Motion: Cable                                                        |
| <a href="#">161559</a> | MR-EKCBL20M-H<br>Encoder cable; for HF-KE,-KN,-KP,-MP, HG-KR,-MR, high-flex 20m (motor shaft)<br>Class 100100508: FA-Servo-Motion: Cable         |
| <a href="#">161560</a> | MR-EKCBL30M-H<br>Encoder cable; for HF-KE,-KN,-KP,-MP, HG-KR,-MR, high-flex 30m (motor shaft)<br>Class 100100508: FA-Servo-Motion: Cable         |
| <a href="#">161561</a> | MR-EKCBL20M-L<br>Encoder cable; for HF-KE,-KN,-KP,-MP, HG-KR,-MR, 20m (lead out encoder)<br>Class 100100508: FA-Servo-Motion: Cable              |
| <a href="#">161562</a> | MR-EKCBL30M-L<br>Encoder cable; for HF-KE,-KN,-KP,-MP, HG-KR,-MR, 30m (lead out encoder)<br>Class 100100508: FA-Servo-Motion: Cable              |
| <a href="#">161572</a> | MR-ECNM<br>Encoder-connector-set for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR motor types<br>Class 100100509: FA-Servo-Motion: Connector                 |
| <a href="#">161579</a> | MR-J3BUS015M<br>SSCNET III Buscable, 0,15 m<br>Class 100100508: FA-Servo-Motion: Cable                                                           |
| <a href="#">161580</a> | MR-J3BUS03M<br>SSCNET III Buscable, 0,3 m<br>Class 100100508: FA-Servo-Motion: Cable                                                             |
| <a href="#">161581</a> | MR-J3BUS05M<br>SSCNET III Buscable, 0,5 m<br>Class 100100508: FA-Servo-Motion: Cable                                                             |

| Material               | Description / Price List Text / Classification                                                                                                      |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">161582</a> | MR-J3BUS1M<br>SSCNET III Buscable, 1m<br>Class 100100508: FA-Servo-Motion: Cable                                                                    |
| <a href="#">161583</a> | MR-J3BUS3M<br>SSCNET III Buscable, 3 m<br>Class 100100508: FA-Servo-Motion: Cable                                                                   |
| <a href="#">161584</a> | MR-J3BUS5M-A<br>SSCNET III Buscable, 5 m<br>Class 100100508: FA-Servo-Motion: Cable                                                                 |
| <a href="#">161585</a> | MR-J3BUS10M-A<br>SSCNET III Buscable, 10 m<br>Class 100100508: FA-Servo-Motion: Cable                                                               |
| <a href="#">161586</a> | MR-J3BUS20M-A<br>SSCNET III Buscable, 20 m<br>Class 100100508: FA-Servo-Motion: Cable                                                               |
| <a href="#">161587</a> | MR-J3BUS30M-B<br>SSCNET III Buscable, 30 m<br>Class 100100508: FA-Servo-Motion: Cable                                                               |
| <a href="#">161588</a> | MR-J3BUS40M-B<br>SSCNET III Buscable, 40 m<br>Class 100100508: FA-Servo-Motion: Cable                                                               |
| <a href="#">161589</a> | MR-J3BUS50M-B<br>SSCNET III Buscable, 50 m<br>Class 100100508: FA-Servo-Motion: Cable                                                               |
| <a href="#">161590</a> | MR-J3BCN1<br>Connectorset SSCNET III MR-J3-B<br>Class 100100509: FA-Servo-Motion: Connector                                                         |
| <a href="#">192174</a> | MR-J3CN2<br>Encoder-connector-set (for CN2L)<br>Class 100100509: FA-Servo-Motion: Connector                                                         |
| <a href="#">203855</a> | MF-3F480-050.230MF3<br>Radio interference filter for MR-J3/MR-J4/MR-J5; 50 A; 3-phase 480 V AC/50-60 Hz<br>Class 100100506: FA-Servo-Motion: Filter |
| <a href="#">206147</a> | PSU 25<br>Power supply unit for 100-240V AC; Output 24V DC, DIN rail mounting<br>Class 100100304: FA-HMI: Other Option                              |
| <a href="#">212032</a> | TB-20-EG (IT68)<br>Terminal block, 20 pin., screw connection<br>Class 100100510: FA-Servo-Motion: Other Option                                      |
| <a href="#">212095</a> | MR-J3TBL-CN3-1M-EG (IT69)<br>Cable MR-J5-B/MR-J5-G/MR-JET/MR-J4-B /MR-JE-B - TB-20-EG , Length 1 m<br>Class 100100508: FA-Servo-Motion: Cable       |
| <a href="#">212096</a> | MR-J3TBL-CN3-05M-EG (IT70)<br>Cable MR-J5-B/MR-J5-G/MR-JET/MR-J4-B /MR-JE-B - TB-20-EG , Length 0,5 m<br>Class 100100508: FA-Servo-Motion: Cable    |
| <a href="#">215497</a> | MR-J3TBL-CN3-3M-EG (IT)<br>Cable MR-J5-B/MR-J5-G/MR-JET/MR-J4-B /MR-JE-B - TB-20-EG , Length 3 m<br>Class 100100508: FA-Servo-Motion: Cable         |
| <a href="#">227486</a> | MR-J3-D05<br>Safety Logic Unit for MR-J3-BSafety/MR-J4 Servo Amplifier<br>Class 100100505: FA-Servo-Motion: Motion Control Option                   |
| <a href="#">227986</a> | MR-D05UDL3M-B<br>STO cable 3m<br>Class 100100508: FA-Servo-Motion: Cable                                                                            |
| <a href="#">229788</a> | MR-EKCBL50M-H<br>Encodercable; for HF-KP(B)/HF-MP(B), high-flex 50m (lead out motor shaft), IP20<br>Class 100100508: FA-Servo-Motion: Cable         |
| <a href="#">246915</a> | MR-EKCBL5M-H<br>Encodercable; high-flex, 5m, IP20<br>Class 100100508: FA-Servo-Motion: Cable                                                        |
| <a href="#">248691</a> | MR-BAT6V1SET<br>MR-J4 Battery-Set incl. MR-BAT6V1<br>Class 100100511: FA-Servo-Motion: Spare Part                                                   |
| <a href="#">248691</a> | MR-BAT6V1SET<br>MR-J4 Battery-Set incl. MR-BAT6V1<br>Class 100101303: FA-OTHERS: Battery                                                            |
| <a href="#">248692</a> | MR-BAT6V1<br>MR-J4 Battery 6V/1650mAh<br>Class 100100511: FA-Servo-Motion: Spare Part                                                               |

| Material               | Description / Price List Text / Classification                                                                                                 |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">248692</a> | MR-BAT6V1<br>MR-J4 Battery 6V/1650mAh<br>Class 100101303: FA-OTHERS: Battery                                                                   |
| <a href="#">248693</a> | MR-BT6VCASE<br>Battery case (5 x MR-BAT6V1); w/o batteries<br>Class 100100511: FA-Servo-Motion: Spare Part                                     |
| <a href="#">248694</a> | MR-BT6V1CBL03M<br>Connection cable for MR-BT6VCASE 0.3 m<br>Class 100100508: FA-Servo-Motion: Cable                                            |
| <a href="#">248695</a> | MR-BT6V1CBL1M<br>Connection cable for MR-BT6VCASE 1 m<br>Class 100100508: FA-Servo-Motion: Cable                                               |
| <a href="#">248696</a> | MR-BT6V2CBL03M<br>Expansion cable for MR-BT6VCASE 0.3 m<br>Class 100100508: FA-Servo-Motion: Cable                                             |
| <a href="#">248697</a> | MR-BT6V2CBL1M<br>Expansion cable for MR-BT6VCASE 1 m<br>Class 100100508: FA-Servo-Motion: Cable                                                |
| <a href="#">251540</a> | MR Configurator2 V01-1L0C-E<br>MELSERVO Setup-Software for MR-JE/-J3/-J4/-J5<br>Class 100101205: FA-Software: Software Motion                  |
| <a href="#">275670</a> | MR-D30<br>Functional safety unit for MR-J4 (STO/SS1/SBC/SLS/SSM)<br>Class 100100510: FA-Servo-Motion: Other Option                             |
| <a href="#">277559</a> | MR-BAT6V1BJ<br>MR-J4 Battery for junction battery cable<br>Class 100100511: FA-Servo-Motion: Spare Part                                        |
| <a href="#">277559</a> | MR-BAT6V1BJ<br>MR-J4 Battery for junction battery cable<br>Class 100101303: FA-OTHERS: Battery                                                 |
| <a href="#">277560</a> | MR-BT6VCBL03M<br>MR-J4 battery cable (0.3m)<br>Class 100100508: FA-Servo-Motion: Cable                                                         |
| <a href="#">303318</a> | MR-J4CBL20-CN3-3M-EG<br>Connection cable MR-J5-B/MR-J5-G/MR-JET/MR-J4-B /MR-JE-B with open end - 3m<br>Class 100100508: FA-Servo-Motion: Cable |
| <a href="#">303906</a> | MR-J4CBL20-CN3-1M-EG<br>Connection cable MR-J5-B/MR-J5-G/MR-JET/MR-J4-B /MR-JE-B with open end - 1m<br>Class 100100508: FA-Servo-Motion: Cable |