



## MATERIAL FACT SHEET

### 290161 MR-J4-100TM-ECT

#### 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\\_JA/EUR/en/p/000000000000290161](https://mitsubishi-electric-eshop.mee.com/mee/FA_JA/EUR/en/p/000000000000290161)

#### Product Components

|                                      |               |
|--------------------------------------|---------------|
| <a href="#">289094 / MR-J4-100TM</a> | 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)        | 1                      |
| 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)  | 60  |
| Height (mm) | 168 |
| Depth (mm)  | 191 |
| Weight (kg) | 1,4 |

#### Logistic Dimensions & Gross Weight

|                   |       |
|-------------------|-------|
| Length (cm)       | 27,5  |
| Width (cm)        | 22,0  |
| Height (cm)       | 8,5   |
| Gross Weight (kg) | 1,684 |
| Volume (cdm)      | 5,143 |

#### Stock Data

|                              |    |
|------------------------------|----|
| Planned Delivery Time (Days) | 60 |
|------------------------------|----|

#### Life Cycle

|             |                              |
|-------------|------------------------------|
| Sales Start | 01.09.2015                   |
| Predecessor | 247020 / MR-J3-100A-EtherCAT |

#### 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       | 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       | <a href="https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=bltdae25c2bd5f2ff94&amp;q=MR-J4-100TM-ECT&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=bltdae25c2bd5f2ff94&amp;q=MR-J4-100TM-ECT&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-J4-100TM-ECT&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt8050dd1408c11cc2&amp;q=MR-J4-100TM-ECT&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-J4-100TM-ECT&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt26ecc97a31a841c1&amp;q=MR-J4-100TM-ECT&amp;doc-lang=en</a> |

## Product Packaging

|                   |     |
|-------------------|-----|
| Cardboard (g)     | 270 |
| 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="#">314975</a> | MR-J4-70A(B)/100A(B) COVER FAN | 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="#">137279</a> | MR-PWR-R 150-40 / MR-RFH 75-40<br>Brake resistor (200 V series) for MR-JE/J4/J5 40; Ohm/150 W<br>Class 100100510: FA-Servo-Motion: Other Option    |
| <a href="#">137303</a> | MT-2.5-60<br>Three-Phase-Autotransformer 400/230 V; 2,5 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="#">192174</a> | MR-J3CN2<br>Encoder-connector-set (for CN2L)<br>Class 100100509: FA-Servo-Motion: Connector                                                        |
| <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="#">208775</a> | MF-3F480-010.233MF<br>Radio interference filter for MR-J3/MR-J4/MR-J5; 10 A; 3-phase 480 V AC/50-60 Hz<br>Class 100100506: FA-Servo-Motion: Filter |

| Material               | Description / Price List Text / Classification                                                                                                 |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| <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="#">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>Encoder cable; 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>Encoder cable; high-flex, 5m, IP20<br>Class 100100508: FA-Servo-Motion: Cable                                                  |
| <a href="#">248692</a> | MR-BAT6V1<br>MR-J4 Battery 6V/1650mAh<br>Class 100100511: FA-Servo-Motion: Spare Part                                                          |
| <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="#">281981</a> | MR-BAT6V1SET-A<br>MR-JE-B / MR-J4-GF Battery-Set incl. MR-BAT6V1<br>Class 100100511: FA-Servo-Motion: Spare Part                               |
| <a href="#">281981</a> | MR-BAT6V1SET-A<br>MR-JE-B / MR-J4-GF Battery-Set incl. MR-BAT6V1<br>Class 100101303: FA-OTHERS: Battery                                        |
| <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 |