



## MATERIAL FACT SHEET

### 481650 HK-KT203WB

#### General Data

|                     |                                        |
|---------------------|----------------------------------------|
| Product Hierarchy   | IAK30230                               |
|                     | SERVO and Motion                       |
|                     | HK-KT                                  |
| 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\\_IA/EUR/en/p/000000000000481650](https://mitsubishi-electric-eshop.mee.com/mee/FA_IA/EUR/en/p/000000000000481650)

#### FA-Servo-Motion: Servo Motor

|                               |                |
|-------------------------------|----------------|
| Series                        | MELSERVO-J5    |
| Type                          | HK-KT          |
| Power Supply (V)              | 200            |
| Rated Capacity (kW)           | 2              |
| Inertia                       | LOW INERTIA    |
| Rated Torque (Nm)             | 6,4            |
| Maximum Torque (Nm)           | 19,1           |
| Rated Speed (rpm)             | 3000           |
| Maximum Speed (rpm)           | 6000           |
| Inertia (kg*cm <sup>2</sup> ) | 5,99           |
| Brake                         | YES            |
| Shaft Type                    | STRAIGHT SHAFT |
| Protection Class              | IP67           |
| Current Type                  | AC             |
| Encoder Type                  | 26-BIT         |
| Encoder Resolution (p/rev)    | 67108864       |

#### Product Dimensions & Weight

|             |       |
|-------------|-------|
| Width (mm)  | 90    |
| Height (mm) | 106,6 |
| Depth (mm)  | 216,3 |
| Weight (kg) | 5,5   |

#### Logistic Dimensions & Gross Weight

|                   |        |
|-------------------|--------|
| Length (cm)       | 33,0   |
| Width (cm)        | 19,0   |
| Height (cm)       | 23,0   |
| Gross Weight (kg) | 6,100  |
| Volume (cdm)      | 14,421 |

#### Stock Data

|                              |    |
|------------------------------|----|
| Planned Delivery Time (Days) | 72 |
|------------------------------|----|

#### Life Cycle

|             |                |
|-------------|----------------|
| Sales Start | 24.06.2019     |
| Predecessor | No Predecessor |

#### Additional Product Information

|                            |                  |
|----------------------------|------------------|
| Binding Tariff Information | DEBTI-10616/21-1 |
| BTI validity date          | 26.09.2024       |
| Battery included           | NO               |

#### Export Data

|                                          |            |
|------------------------------------------|------------|
| Legal Control (Dual Use List)            | Not Listed |
| Country of Origin                        | Japan (JP) |
| Preference Status (Supplier Declaration) | Non EU     |

## Environmental

|                            |           |
|----------------------------|-----------|
| Dangerous Goods Class      | NO        |
| Dangerous Goods Identifier | NO        |
| RoHS Compliance            | COMPLIANT |
| WEEE                       | B2B       |

## Conformity

|      |           |
|------|-----------|
| CE   | 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=HK-KT203WB&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=bltdae25c2bd5f2ff94&amp;q=HK-KT203WB&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=HK-KT203WB&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt8050dd1408c11cc2&amp;q=HK-KT203WB&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=HK-KT203WB&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt26ecc97a31a841c1&amp;q=HK-KT203WB&amp;doc-lang=en</a> |

## Product Packaging

|                   |     |
|-------------------|-----|
| Cardboard (g)     | 760 |
| Other paper (g)   | 0,5 |
| Aluminum (g)      | 0   |
| Steel (g)         | 0   |
| Styrofoam (g)     | 0   |
| Other plastic (g) | 6,9 |
| Wood (g)          | 0   |
| Glass (g)         | 0   |
| Others (g)        | 1   |

## Spare parts

| Material               | Description        | Quantity | Unit |
|------------------------|--------------------|----------|------|
| <a href="#">686736</a> | HK-KT434WB ENCODER | 1        | PC   |

## Compatible products

| Material               | Description / Price List Text / Classification                                                                                                    |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| <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="#">481988</a> | MR-AEPB2CBL2M-A1-H<br>Motor cable for HK-KT; Load-side; Highflexible; 2 m, IP65; Brake wires;Dual<br>Class 100100508: FA-Servo-Motion: Cable      |
| <a href="#">481989</a> | MR-AEPB2CBL5M-A1-H<br>Motor cable for HK-KT; Load-side; Highflexible; 5 m, IP65; Brake wires;Dual<br>Class 100100508: FA-Servo-Motion: Cable      |
| <a href="#">481990</a> | MR-AEPB2CBL10M-A1-H<br>Motor cable for HK-KT; Load-side; Highflexible; 10 m, IP65; Brake wires;Dual<br>Class 100100508: FA-Servo-Motion: Cable    |
| <a href="#">481991</a> | MR-AEPB2CBL2M-A1-L<br>Motor cable for HK-KT; Load-side; Standard; 2 m, IP65; Brake wires;Dual<br>Class 100100508: FA-Servo-Motion: Cable          |
| <a href="#">481992</a> | MR-AEPB2CBL5M-A1-L<br>Motor cable for HK-KT; Load-side; Standard; 5 m, IP65; Brake wires;Dual<br>Class 100100508: FA-Servo-Motion: Cable          |
| <a href="#">481993</a> | MR-AEPB2CBL10M-A1-L<br>Motor cable for HK-KT; Load-side; Standard; 10 m, IP65; Brake wires;Dual<br>Class 100100508: FA-Servo-Motion: Cable        |
| <a href="#">481994</a> | MR-AEPB2CBL2M-A2-H<br>Motor cable for HK-KT; Opposite Load-side; Highflexible; 2 m; Brake wires; Dual<br>Class 100100508: FA-Servo-Motion: Cable  |
| <a href="#">481995</a> | MR-AEPB2CBL5M-A2-H<br>Motor cable for HK-KT; Opposite Load-side; Highflexible; 5 m; Brake wires; Dual<br>Class 100100508: FA-Servo-Motion: Cable  |
| <a href="#">481996</a> | MR-AEPB2CBL10M-A2-H<br>Motor cable for HK-KT; Opposite Load-side; Highflexible; 10m; Brake wires; Dual<br>Class 100100508: FA-Servo-Motion: Cable |
| <a href="#">481997</a> | MR-AEPB2CBL2M-A2-L<br>Motor cable for HK-KT; Opposite Load-side; Standard; 2 m; Brake wires; Dual<br>Class 100100508: FA-Servo-Motion: Cable      |

| Material               | Description / Price List Text / Classification                                                                                                     |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">481998</a> | MR-AEPB2CBL5M-A2-L<br>Motor cable for HK-KT; Opposite Load-side; Standard; 5 m; Brake wires; Dual<br>Class 100100508: FA-Servo-Motion: Cable       |
| <a href="#">481999</a> | MR-AEPB2CBL10M-A2-L<br>Motor cable for HK-KT; Opposite Load-side; Standard; 10m; Brake wires; Dual<br>Class 100100508: FA-Servo-Motion: Cable      |
| <a href="#">482054</a> | MR-AEPB2J10CBL03M-A1-L<br>Motor cable for HK-KT; Load-side; Standard; 0,3 m, IP20; Brake wires; Dual<br>Class 100100508: FA-Servo-Motion: Cable    |
| <a href="#">482055</a> | MR-AEPB2J10CBL03M-A2-L<br>Motor cable for HK-KT; Opposite Load-side; Standard; 0,3 m, IP20; Brake; Dual<br>Class 100100508: FA-Servo-Motion: Cable |
| <a href="#">482056</a> | MR-AEKCBL20M-H<br>Encoder cable for HK-KT; Highflexible; 20 m; IP20;<br>Class 100100508: FA-Servo-Motion: Cable                                    |
| <a href="#">482057</a> | MR-AEKCBL30M-H<br>Encoder cable for HK-KT; Highflexible; 30 m; IP20;<br>Class 100100508: FA-Servo-Motion: Cable                                    |
| <a href="#">482058</a> | MR-AEKCBL40M-H<br>Encoder cable for HK-KT; Highflexible; 40 m; IP20;<br>Class 100100508: FA-Servo-Motion: Cable                                    |
| <a href="#">482059</a> | MR-AEKCBL50M-H<br>Encoder cable for HK-KT; Highflexible; 50 m; IP20;<br>Class 100100508: FA-Servo-Motion: Cable                                    |
| <a href="#">482060</a> | MR-AEKCBL20M-L<br>Encoder cable for HK-KT; Standard; 20 m; IP20;<br>Class 100100508: FA-Servo-Motion: Cable                                        |
| <a href="#">482061</a> | MR-AEKCBL30M-L<br>Encoder cable for HK-KT; Standard; 30 m; IP20;<br>Class 100100508: FA-Servo-Motion: Cable                                        |
| <a href="#">597932</a> | PFS010B-02.0-A1-L<br>Power Feedback Single cable for HK-KT; 1mm²; Brake; 2.0m; A1; Standard<br>Class 100100508: FA-Servo-Motion: Cable             |
| <a href="#">597935</a> | PFS010B-05.0-A1-L<br>Power Feedback Single cable for HK-KT; 1mm²; Brake; 5.0m; A1; Standard<br>Class 100100508: FA-Servo-Motion: Cable             |
| <a href="#">597940</a> | PFS010B-10.0-A1-L<br>Power Feedback Single cable for HK-KT; 1mm²; Brake; 10.0m; A1; Standard<br>Class 100100508: FA-Servo-Motion: Cable            |
| <a href="#">597946</a> | PFS010B-02.0-A1-H<br>Power Feedback Single cable for HK-KT; 1mm²; Brake; 2.0m; A1; High flexible<br>Class 100100508: FA-Servo-Motion: Cable        |
| <a href="#">597949</a> | PFS010B-05.0-A1-H<br>Power Feedback Single cable for HK-KT; 1mm²; Brake; 5.0m; A1; High flexible<br>Class 100100508: FA-Servo-Motion: Cable        |
| <a href="#">597954</a> | PFS010B-10.0-A1-H<br>Power Feedback Single cable for HK-KT; 1mm²; Brake; 10.0m; A1; High flexible<br>Class 100100508: FA-Servo-Motion: Cable       |
| <a href="#">597960</a> | PFS010N-02.0-A1-L<br>Power Feedback Single cable for HK-KT; 1mm²; Normal; 2.0m; A1; Standard<br>Class 100100508: FA-Servo-Motion: Cable            |
| <a href="#">597963</a> | PFS010N-05.0-A1-L<br>Power Feedback Single cable for HK-KT; 1mm²; Normal; 5.0m; A1; Standard<br>Class 100100508: FA-Servo-Motion: Cable            |
| <a href="#">597968</a> | PFS010N-10.0-A1-L<br>Power Feedback Single cable for HK-KT; 1mm²; Normal; 10.0m; A1; Standard<br>Class 100100508: FA-Servo-Motion: Cable           |
| <a href="#">597974</a> | PFS010N-02.0-A1-H<br>Power Feedback Single cable for HK-KT; 1mm²; Normal; 2.0m; A1; High flexible<br>Class 100100508: FA-Servo-Motion: Cable       |
| <a href="#">597977</a> | PFS010N-05.0-A1-H<br>Power Feedback Single cable for HK-KT; 1mm²; Normal; 5.0m; A1; High flexible<br>Class 100100508: FA-Servo-Motion: Cable       |
| <a href="#">597982</a> | PFS010N-10.0-A1-H<br>Power Feedback Single cable for HK-KT; 1mm²; Normal; 10.0m; A1; High flexible<br>Class 100100508: FA-Servo-Motion: Cable      |
| <a href="#">597988</a> | PFS010B-02.0-A2-L<br>Power Feedback Single cable for HK-KT; 1mm²; Brake; 2.0m; A2; Standard<br>Class 100100508: FA-Servo-Motion: Cable             |

| Material               | Description / Price List Text / Classification                                                                                                |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">597991</a> | PFS010B-05.0-A2-L<br>Power Feedback Single cable for HK-KT; 1mm²; Brake; 5.0m; A2; Standard<br>Class 100100508: FA-Servo-Motion: Cable        |
| <a href="#">597996</a> | PFS010B-10.0-A2-L<br>Power Feedback Single cable for HK-KT; 1mm²; Brake; 10.0m; A2; Standard<br>Class 100100508: FA-Servo-Motion: Cable       |
| <a href="#">598002</a> | PFS010B-02.0-A2-H<br>Power Feedback Single cable for HK-KT; 1mm²; Brake; 2.0m; A2; High flexible<br>Class 100100508: FA-Servo-Motion: Cable   |
| <a href="#">598005</a> | PFS010B-05.0-A2-H<br>Power Feedback Single cable for HK-KT; 1mm²; Brake; 5.0m; A2; High flexible<br>Class 100100508: FA-Servo-Motion: Cable   |
| <a href="#">598010</a> | PFS010B-10.0-A2-H<br>Power Feedback Single cable for HK-KT; 1mm²; Brake; 10.0m; A2; High flexible<br>Class 100100508: FA-Servo-Motion: Cable  |
| <a href="#">598016</a> | PFS010N-02.0-A2-L<br>Power Feedback Single cable for HK-KT; 1mm²; Normal; 2.0m; A2; Standard<br>Class 100100508: FA-Servo-Motion: Cable       |
| <a href="#">598019</a> | PFS010N-05.0-A2-L<br>Power Feedback Single cable for HK-KT; 1mm²; Normal; 5.0m; A2; Standard<br>Class 100100508: FA-Servo-Motion: Cable       |
| <a href="#">598024</a> | PFS010N-10.0-A2-L<br>Power Feedback Single cable for HK-KT; 1mm²; Normal; 10.0m; A2; Standard<br>Class 100100508: FA-Servo-Motion: Cable      |
| <a href="#">598030</a> | PFS010N-02.0-A2-H<br>Power Feedback Single cable for HK-KT; 1mm²; Normal; 2.0m; A2; High flexible<br>Class 100100508: FA-Servo-Motion: Cable  |
| <a href="#">598033</a> | PFS010N-05.0-A2-H<br>Power Feedback Single cable for HK-KT; 1mm²; Normal; 5.0m; A2; High flexible<br>Class 100100508: FA-Servo-Motion: Cable  |
| <a href="#">598038</a> | PFS010N-10.0-A2-H<br>Power Feedback Single cable for HK-KT; 1mm²; Normal; 10.0m; A2; High flexible<br>Class 100100508: FA-Servo-Motion: Cable |