



MATERIAL FACT SHEET

248652 HG-KR13

General Data

| | |
|---------------------|--------------------------|
| Product Hierarchy | IAK30220 |
| | SERVO and Motion |
| | HG-KR |
| Ext. Material Group | 10 STANDARD ITEM |
| ABC Indicator | A (Available from Stock) |

e-shop: <https://emea-fa.mitsubishielectric.com/fa/shop/material-page/00000000000248652>

FA-Servo-Motion: Servo Motor

| | |
|----------------------------|----------------|
| Series | MELSERVO-J4 |
| Type | HG-KR |
| Power Supply (V) | 200 |
| Rated Capacity (kW) | 0,1 |
| Inertia | LOW INERTIA |
| Rated Torque (Nm) | 0,32 |
| Maximum Torque (Nm) | 1,1 |
| Rated Speed (rpm) | 3000 |
| Maximum Speed (rpm) | 6000 |
| Inertia (kg*cm2) | 0,0777 |
| Brake | NO |
| Shaft Type | STRAIGHT SHAFT |
| Protection Class | IP65 |
| Current Type | AC |
| Encoder Type | 22-BIT |
| Encoder Resolution (p/rev) | 4194304 |

Product Dimensions & Weight

| | |
|-------------|------|
| Width (mm) | 40 |
| Height (mm) | 41,7 |
| Depth (mm) | 82,4 |
| Weight (kg) | 0,54 |

Logistic Dimensions & Gross Weight

| | |
|-------------------|-------|
| Length (cm) | 20,0 |
| Width (cm) | 10,5 |
| Height (cm) | 8,5 |
| Gross Weight (kg) | 0,550 |
| Volume (cdm) | 1,785 |

Stock Data

| | |
|------------------------------|----|
| Planned Delivery Time (Days) | 91 |
|------------------------------|----|

Life Cycle

| | |
|-------------|------------------|
| Sales Start | 11.04.2012 |
| Predecessor | 160211 / HF-KP13 |

Additional Product Information

| | |
|----------------------------|------------------|
| Binding Tariff Information | DEBTI-10870/26-1 |
| BTI validity date | 14.05.2029 |
| Battery included | NO |
| Product Code | SERVO |

Export Data

| | |
|-------------------------------|------------|
| Commodity Code | 85015100 |
| 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 | https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=bltdae25c2bd5f2f94&q=HG-KR13&doc-lang=en |
| Certificates URL Indicator | https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt8050dd1408c11cc2&q=HG-KR13&doc-lang=en |
| CAD URL Indicator | https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt26ecc97a31a841c1&q=HG-KR13&doc-lang=en |

Product Packaging

| | |
|-------------------|------|
| Cardboard (g) | 90 |
| Other paper (g) | 0,3 |
| Aluminum (g) | 0 |
| Steel (g) | 0 |
| Styrofoam (g) | 0 |
| Other plastic (g) | 18,6 |
| Wood (g) | 0 |
| Glass (g) | 0 |
| Others (g) | 1 |

Spare parts

| Material | Description | Quantity | Unit |
|------------------------|--|----------|------|
| 278651 | HG-KR/MR-53/53B - 13/13B P-BRACKET | 1 | PC |
| 278654 | HG-KR/MR-053/13 O-BRACKET | 1 | PC |
| 278666 | HG-KR/MR 053(B) - 73(B) ENCODER OBA24R | 1 | PC |
| 278667 | HG-KR/MR 053(B) - 73(B) ENCODER LEAD | 1 | PC |
| 191209 | HF-KP/MP053-13(B) ENCODER COVER | 1 | PC |

Compatible products

| Material | Description / Price List Text / Classification |
|------------------------|---|
| 160227 | MR-PWS1CBL2M-A1-H Power cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, high flex, 2m (motor shaft) Class 100100508: FA-Servo-Motion: Cable |
| 160228 | MR-PWS1CBL2M-A2-H Power cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, high flexible, 2m (Encoder) Class 100100508: FA-Servo-Motion: Cable |
| 160230 | MR-J3ENCBL2M-A2-H Encoder cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, highflexible, 2m (encoder) Class 100100508: FA-Servo-Motion: Cable |
| 160312 | MR-J3ENCBL2M-A1-H Encoder cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, highflex. 2m (motor shaft) Class 100100508: FA-Servo-Motion: Cable |
| 161547 | MR-J3ENCBL5M-A1-H Encoder cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, highflex. 5m (motor shaft) Class 100100508: FA-Servo-Motion: Cable |
| 161548 | MR-J3ENCBL10M-A1-H Encoder cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, highflex. 10m (motor shaft) Class 100100508: FA-Servo-Motion: Cable |
| 161549 | MR-J3ENCBL2M-A1-L Encoder cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, 2m (lead out motor shaft) Class 100100508: FA-Servo-Motion: Cable |
| 161550 | MR-J3ENCBL5M-A1-L Encoder cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, 5m (lead out motor shaft) Class 100100508: FA-Servo-Motion: Cable |

| Material | Description / Price List Text / Classification |
|------------------------|---|
| 161551 | MR-J3ENCBL10M-A1-L Encoder cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, 10m (lead out motor shaft) Class 100100508: FA-Servo-Motion: Cable |
| 161552 | MR-J3ENCBL5M-A2-H Encoder cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, highflexible, 5m (encoder) Class 100100508: FA-Servo-Motion: Cable |
| 161553 | MR-J3ENCBL10M-A2-H Encoder cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, highflexible, 10m (encoder) Class 100100508: FA-Servo-Motion: Cable |
| 161554 | MR-J3ENCBL2M-A2-L Encoder cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, 2m (lead out encoder) Class 100100508: FA-Servo-Motion: Cable |
| 161555 | MR-J3ENCBL5M-A2-L Encoder cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, 5m (lead out encoder) Class 100100508: FA-Servo-Motion: Cable |
| 161556 | MR-J3ENCBL10M-A2-L Encoder cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, 10m (lead out encoder) Class 100100508: FA-Servo-Motion: Cable |
| 161592 | MR-PWS1CBL5M-A1-H Power cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, high flex, 5m (motor shaft) Class 100100508: FA-Servo-Motion: Cable |
| 161593 | MR-PWS1CBL10M-A1-H Power cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, high flex, 10m (motor shaft) Class 100100508: FA-Servo-Motion: Cable |
| 161594 | MR-PWS1CBL2M-A1-L Power cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, 2m (Lead out motor shaft) Class 100100508: FA-Servo-Motion: Cable |
| 161595 | MR-PWS1CBL5M-A1-L Power cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, 5m (Lead out motor shaft) Class 100100508: FA-Servo-Motion: Cable |
| 161596 | MR-PWS1CBL10M-A1-L Power cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, 10m (Lead out motor shaft) Class 100100508: FA-Servo-Motion: Cable |
| 161597 | MR-PWS1CBL5M-A2-H Power cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, high flexible, 5m (Encoder) Class 100100508: FA-Servo-Motion: Cable |
| 161598 | MR-PWS1CBL10M-A2-H Power cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, high flexible, 10m (Encoder) Class 100100508: FA-Servo-Motion: Cable |
| 161599 | MR-PWS1CBL2M-A2-L Power cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, 2m (Lead out Encoder) Class 100100508: FA-Servo-Motion: Cable |
| 161600 | MR-PWS1CBL5M-A2-L Power cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, 5m (Lead out Encoder) Class 100100508: FA-Servo-Motion: Cable |
| 161601 | MR-PWS1CBL10M-A2-L Power cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, 10m (Lead out Encoder) Class 100100508: FA-Servo-Motion: Cable |
| 161602 | MR-PWS2CBL03M-A1-L Power cable; for HF-KE,-KN,-KP,-MP, HG-KR,-MR, 0.3 m (Lead out motor shaft) Class 100100508: FA-Servo-Motion: Cable |
| 161603 | MR-PWS2CBL03M-A2-L Power cable; for HF-KE,-KN,-KP,-MP, HG-KR,-MR, 0.3 m (Lead out Encoder) Class 100100508: FA-Servo-Motion: Cable |
| 210799 | MR-PWS3CBL2M-A1-L Power cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, shielded, 2m (motor shaft) Class 100100508: FA-Servo-Motion: Cable |
| 210800 | MR-PWS3CBL5M-A1-L Power cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, shielded, 5m (motor shaft) Class 100100508: FA-Servo-Motion: Cable |
| 210801 | MR-PWS3CBL10M-A1-L Power cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, shielded, 10m (motor shaft) Class 100100508: FA-Servo-Motion: Cable |
| 210802 | MR-PWS3CBL2M-A2-L Power cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, shielded,2m (Lead Encoder) Class 100100508: FA-Servo-Motion: Cable |
| 210803 | MR-PWS3CBL5M-A2-L Power cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, shielded, 5m (Lead Encoder) Class 100100508: FA-Servo-Motion: Cable |

| Material | Description / Price List Text / Classification |
|------------------------|--|
| 210814 | MR-PWS3CBL10M-A2-L Power cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, shielded, 10m (Lead Encoder) Class 100100508: FA-Servo-Motion: Cable |
| 220002 | PWS007N-02.0-A2 Power cable; for HF-KN,-KP,-MP, HG-KN,-KR,-MR,shielded, power chain, 2m (Enc.) Class 100100508: FA-Servo-Motion: Cable |
| 220005 | PWS007N-05.0-A2 Power cable; for HF-KN,-KP,-MP, HG-KN,-KR,-MR,shielded, power chain, 5m (Enc.) Class 100100508: FA-Servo-Motion: Cable |
| 220007 | PWS007N-10.0-A2 Power cable; for HF-KN,-KP,-MP, HG-KN,-KR,-MR,shielded, power chain, 10m (Enc.) Class 100100508: FA-Servo-Motion: Cable |
| 220009 | PWS007N-02.0-A1 Power cable; for HF-KN,-KP,-MP, HG-KN,-KR,-MR,shielded, power chain, 2m (shaft) Class 100100508: FA-Servo-Motion: Cable |
| 220010 | PWS007N-05.0-A1 Power cable; for HF-KN,-KP,-MP, HG-KN,-KR,-MR,shielded, power chain, 5m (shaft) Class 100100508: FA-Servo-Motion: Cable |
| 220012 | PWS007N-10.0-A1 Power cable; for HF-KN,-KP,-MP, HG-KN,-KR,-MR,shielded, power chain,10m (shaft) Class 100100508: FA-Servo-Motion: Cable |
| 493673 | MR-PWS1CBL20M-A1-H Power cable; for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR, high flex, 20m (motor shaft) Class 100100508: FA-Servo-Motion: Cable |