



## MATERIAL FACT SHEET

### 261431 HG-SR524

#### General Data

|                     |                          |
|---------------------|--------------------------|
| Product Hierarchy   | IAK30222                 |
|                     | SERVO and Motion         |
|                     | HG-SR                    |
| Ext. Material Group | 10 STANDARD ITEM         |
| ABC Indicator       | A (Available from Stock) |

e-shop: [https://mitsubishi-electric-eshop.mee.com/mee/FA\\_IA/EUR/en/p/000000000000261431](https://mitsubishi-electric-eshop.mee.com/mee/FA_IA/EUR/en/p/000000000000261431)

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

|                            |                |
|----------------------------|----------------|
| Series                     | MELSERVO-J4    |
| Type                       | HG-SR          |
| Power Supply (V)           | 400            |
| Rated Capacity (kW)        | 0,5            |
| Inertia                    | MEDIUM INERTIA |
| Rated Torque (Nm)          | 2,4            |
| Maximum Torque (Nm)        | 7,2            |
| Rated Speed (rpm)          | 2000           |
| Maximum Speed (rpm)        | 3000           |
| Inertia (kg*cm2)           | 7,26           |
| Brake                      | NO             |
| Shaft Type                 | STRAIGHT SHAFT |
| Protection Class           | IP67           |
| Current Type               | AC             |
| Encoder Type               | 22-BIT         |
| Encoder Resolution (p/rev) | 4194304        |

#### Product Dimensions & Weight

|             |       |
|-------------|-------|
| Width (mm)  | 130   |
| Height (mm) | 177,5 |
| Depth (mm)  | 173,5 |
| Weight (kg) | 4,8   |

#### Logistic Dimensions & Gross Weight

|                   |        |
|-------------------|--------|
| Length (cm)       | 31,5   |
| Width (cm)        | 16,0   |
| Height (cm)       | 23,0   |
| Gross Weight (kg) | 4,998  |
| Volume (cdm)      | 11,592 |

#### Stock Data

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

#### Life Cycle

|             |                                 |
|-------------|---------------------------------|
| Sales Start | 02.06.2013                      |
| Predecessor | 192042 / HF-SP524 0.5KW 2000RPM |

#### Additional Product Information

|                            |                  |
|----------------------------|------------------|
| Binding Tariff Information | DEBTI-10610/21-1 |
| BTI validity date          | 26.09.2024       |
| Battery included           | NO               |

#### 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 |
| 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=HG-SR524&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=bltdae25c2bd5f2ff94&amp;q=HG-SR524&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=HG-SR524&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt8050dd1408c11cc2&amp;q=HG-SR524&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=HG-SR524&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt26ecc97a31a841c1&amp;q=HG-SR524&amp;doc-lang=en</a> |

## Product Packaging

|                   |     |
|-------------------|-----|
| Cardboard (g)     | 530 |
| Other paper (g)   | 35  |
| Aluminum (g)      | 0   |
| Steel (g)         | 0   |
| Styrofoam (g)     | 0   |
| Other plastic (g) | 23  |
| Wood (g)          | 0   |
| Glass (g)         | 0   |
| Others (g)        | 0   |

## Spare parts

| Material               | Description                              | Quantity | Unit |
|------------------------|------------------------------------------|----------|------|
| 191212                 | HF-SP52/102/152(B) CONNECTOR PIN         | 3        | PC   |
| <a href="#">278628</a> | HG-SR-51 - 152 P-BRACKET                 | 1        | PC   |
| <a href="#">278630</a> | HG-SR-51 - 152 O-BRACKET                 | 1        | PC   |
| 191223                 | HF-SP52/102/152(B) O-RING FOR FRAME/BRAK | 2        | PC   |
| <a href="#">191225</a> | HF-SP52/102/152(B) O-RING FOR MOUNT/BRAC | 1        | PC   |
| <a href="#">191227</a> | HF-SP52/102/152(B) CONNECTOR POWER       | 1        | PC   |
| 191230                 | HF-SP52/102/152(B) O-ring for connector  | 1        | PC   |
| 191238                 | HF-SP52/102/152(B) PRE LOAD SPRING       | 1        | PC   |
| <a href="#">191240</a> | HF-SP52/102/152(B) BEARING TMB206ZZ      | 1        | PC   |
| <a href="#">332676</a> | HG-SR51-152(4)/(B)(W0C) BEARING          | 1        | PC   |
| 191245                 | HF-SP52/102/152(B) O-RINGP-BR/WEIGHT     | 1        | PC   |
| <a href="#">278646</a> | HG-SR-51A/B - 702A/B ENCODER SET         | 1        | PC   |
| <a href="#">191248</a> | HF-SP52 up to 702(B) JOINT OLDHAM        | 1        | PC   |
| <a href="#">191249</a> | HF-SP52 up to 702(B) JOINT TORQUE DISC   | 1        | PC   |
| 191250                 | HF-SP52 up to 702(B) O-RING FOR ENCODER  | 1        | PC   |

## Compatible products

| Material               | Description / Price List Text / Classification                                                                                                     |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">160226</a> | MR-J3ENSCBL2M-H<br>Encoder cable; for HC-RP, HF-SN/SP/JP, HG-SN/SR, HK-KT/RT/ST; high flex., 2m, IP67<br>Class 100100508: FA-Servo-Motion: Cable   |
| <a href="#">161563</a> | MR-J3ENSCBL5M-H<br>Encoder cable; for HC-RP, HF-SN/SP/JP, HG-SN/SR, HK-KT/RT/ST; high flex., 5m, IP67<br>Class 100100508: FA-Servo-Motion: Cable   |
| <a href="#">161564</a> | MR-J3ENSCBL10M-H<br>Encoder cable; for HC-RP, HF-SN/SP/JP, HG-SN/SR, HK-KT/RT/ST; high flex., 10m, IP67<br>Class 100100508: FA-Servo-Motion: Cable |
| <a href="#">161565</a> | MR-J3ENSCBL20M-H<br>Encoder cable; for HC-RP, HF-SN,-SP,-JP, HG-SN,-SR, highflexible, 20m, IP67<br>Class 100100508: FA-Servo-Motion: Cable         |
| <a href="#">161566</a> | MR-J3ENSCBL30M-H<br>Encoder cable; for HC-RP, HF-SN,-SP,-JP, HG-SN,-SR, highflexible, 30m, IP67<br>Class 100100508: FA-Servo-Motion: Cable         |
| <a href="#">161567</a> | MR-J3ENSCBL2M-L<br>Encoder cable; for HC-RP, HF-SN/SP/JP, HG-SN/SR, HK-KT/RT/ST; 2m, IP67<br>Class 100100508: FA-Servo-Motion: Cable               |

| Material               | Description / Price List Text / Classification                                                                                                     |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">161568</a> | MR-J3ENSCBL5M-L<br>Encoder cable; for HC-RP, HF-SN/SP/JP, HG-SN/SR, HK-KT/RT/ST; 5m, IP67<br>Class 100100508: FA-Servo-Motion: Cable               |
| <a href="#">161569</a> | MR-J3ENSCBL10M-L<br>Encoder cable; for HC-RP, HF-SN/SP/JP, HG-SN/SR, HK-KT/RT/ST; 10m, IP67<br>Class 100100508: FA-Servo-Motion: Cable             |
| <a href="#">161570</a> | MR-J3ENSCBL20M-L<br>Encoder cable; for HC-RP, HF-SN,-SP,-JP, HG-SN,-SR, 20m, IP67<br>Class 100100508: FA-Servo-Motion: Cable                       |
| <a href="#">161571</a> | MR-J3ENSCBL30M-L<br>Encoder cable; for HC-RP, HF-SN,-SP,-JP, HG-SN,-SR, 30m, IP67<br>Class 100100508: FA-Servo-Motion: Cable                       |
| <a href="#">161576</a> | MR-J3SCNS<br>Encoder-Connector-Set for HF-SE/SN/SP/JP, HG-JR/SN/SR, HK-ST/RT motor, (Straight)<br>Class 100100509: FA-Servo-Motion: Connector      |
| <a href="#">202275</a> | PCS015N-02.0-0C4<br>Power cable for HG-SR52, HK-ST52(4)W/102(4)W/1724W/2024W/3024W; high flex., 2m<br>Class 100100508: FA-Servo-Motion: Cable      |
| <a href="#">202276</a> | PCS015N-05.0-0C4<br>Power cable for HG-SR52, HK-ST52(4)W/102(4)W/1724W/2024W/3024W; high flex., 5m<br>Class 100100508: FA-Servo-Motion: Cable      |
| <a href="#">202277</a> | PCS015N-10.0-0C4<br>Power cable for HG-SR52, HK-ST52(4)W/102(4)W/1724W/2024W/3024W; high flex., 10m<br>Class 100100508: FA-Servo-Motion: Cable     |
| <a href="#">202278</a> | PCS015N-20.0-0C4<br>Power cable for HG-SR52, HK-ST52(4)W/102(4)W/1724W/2024W/3024W; high flex., 20m<br>Class 100100508: FA-Servo-Motion: Cable     |
| <a href="#">202279</a> | PCS015N-30.0-0C4<br>Power cable for HG-SR52, HK-ST52(4)W/102(4)W/1724W/2024W/3024W; high flex., 30m<br>Class 100100508: FA-Servo-Motion: Cable     |
| <a href="#">227425</a> | MR-J3SCNSA<br>Encoder-Connector-Set for HF-SE/SN/SP/JP, HG-JR/SN/SR, HK-ST/RT motor, (Angle)<br>Class 100100509: FA-Servo-Motion: Connector        |
| <a href="#">244812</a> | MR-J3ENSCBL50M-H<br>Encoder cable; for HC-RP, HF-SN,-SP,-JP, HG-SN,-SR, highflexible, 50m, IP67<br>Class 100100508: FA-Servo-Motion: Cable         |
| <a href="#">248686</a> | MR-ENCNS2<br>Encoder Connector Set for HG-SN/SR, HK-ST/RT motor, IP67 (Straight Type)<br>Class 100100509: FA-Servo-Motion: Connector               |
| <a href="#">248687</a> | MR-ENCNS2A<br>Encoder Connector Set for HG-SN/SR, HK-ST/RT motor, IP67 (Angle Type)<br>Class 100100509: FA-Servo-Motion: Connector                 |
| 258932                 | PCS015N-06.0-0C4<br>Power cable; for HG-SR52, HF-SN/SP52, HF-SP524-1524, HF-JP534-1034, high flex., 6m<br>Class 100100508: FA-Servo-Motion: Cable  |
| <a href="#">258933</a> | PCS015N-08.0-0C4<br>Power cable; for HG-SR52, HF-SN/SP52, HF-SP524-1524, HF-JP534-1034, high flex., 8m<br>Class 100100508: FA-Servo-Motion: Cable  |
| <a href="#">258934</a> | PCS015N-12.0-0C4<br>Power cable; for HG-SR52, HF-SN/SP52, HF-SP524-1524, HF-JP534-1034, high flex., 12m<br>Class 100100508: FA-Servo-Motion: Cable |
| 258935                 | PCS015N-13.0-0C4<br>Power cable; for HG-SR52, HF-SN/SP52, HF-SP524-1524, HF-JP534-1034, high flex., 13m<br>Class 100100508: FA-Servo-Motion: Cable |
| 258936                 | PCS015N-15.0-0C4<br>Power cable; for HG-SR52, HF-SN/SP52, HF-SP524-1524, HF-JP534-1034, high flex., 15m<br>Class 100100508: FA-Servo-Motion: Cable |
| <a href="#">258937</a> | PCS015N-16.0-0C4<br>Power cable; for HG-SR52, HF-SN/SP52, HF-SP524-1524, HF-JP534-1034, high flex., 16m<br>Class 100100508: FA-Servo-Motion: Cable |
| 258938                 | PCS015N-18.0-0C4<br>Power cable; for HG-SR52, HF-SN/SP52, HF-SP524-1524, HF-JP534-1034, high flex., 18m<br>Class 100100508: FA-Servo-Motion: Cable |
| <a href="#">269076</a> | MR-J3ENSCBL40M-H<br>Encoder cable; for HC-RP, HF-SN,-SP,-JP, HG-SN,-SR, highflexible, 40m, IP67<br>Class 100100508: FA-Servo-Motion: Cable         |
| <a href="#">333209</a> | PCS015N-50.0-0C4<br>Power cable; for HG-SR52, HF-SN/SP52, HF-SP524-1524, HF-JP534-1034, high flex., 50m<br>Class 100100508: FA-Servo-Motion: Cable |

| Material               | Description / Price List Text / Classification                                                                                                 |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">486871</a> | PCS015N-55.0-0C4<br>Power cable; for HG-SR52,HF-SN/SP52,HF-SP524-1524,HF-JP534-1034,high flex., 55m<br>Class 100100508: FA-Servo-Motion: Cable |