



## MATERIAL FACT SHEET

### 248684 HG-SR702B

#### General Data

|                     |                                     |
|---------------------|-------------------------------------|
| Product Hierarchy   | IAK30222                            |
|                     | SERVO and Motion                    |
|                     | HG-SR                               |
| 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/000000000000248684](https://mitsubishi-electric-eshop.mee.com/mee/FA_IA/EUR/en/p/000000000000248684)

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

|                            |                |
|----------------------------|----------------|
| Series                     | MELSERVO-J4    |
| Type                       | HG-SR          |
| Power Supply (V)           | 200            |
| Rated Capacity (kW)        | 7              |
| Inertia                    | MEDIUM INERTIA |
| Rated Torque (Nm)          | 33,4           |
| Maximum Torque (Nm)        | 100            |
| Rated Speed (rpm)          | 2000           |
| Maximum Speed (rpm)        | 3000           |
| Inertia (kg*cm2)           | 161            |
| Brake                      | YES            |
| Shaft Type                 | STRAIGHT SHAFT |
| Protection Class           | IP67           |
| Current Type               | AC             |
| Encoder Type               | 22-BIT         |
| Encoder Resolution (p/rev) | 4194304        |

#### Product Dimensions & Weight

|             |     |
|-------------|-----|
| Width (mm)  | 176 |
| Height (mm) | 176 |
| Depth (mm)  | 268 |
| Weight (kg) | 33  |

#### Logistic Dimensions & Gross Weight

|                   |        |
|-------------------|--------|
| Length (cm)       | 49,0   |
| Width (cm)        | 28,0   |
| Height (cm)       | 22,5   |
| Gross Weight (kg) | 30,500 |
| Volume (cdm)      | 30,870 |

#### Stock Data

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

#### Life Cycle

|             |                    |
|-------------|--------------------|
| Sales Start | 11.04.2012         |
| Predecessor | 161538 / HF-SP702B |

#### Additional Product Information

|                            |                  |
|----------------------------|------------------|
| Binding Tariff Information | DEBTI-10611/21-1 |
| 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

|                            |           |
|----------------------------|-----------|
| 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-SR702B&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=bltdae25c2bd5f2ff94&amp;q=HG-SR702B&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-SR702B&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt8050dd1408c11cc2&amp;q=HG-SR702B&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-SR702B&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt26ecc97a31a841c1&amp;q=HG-SR702B&amp;doc-lang=en</a> |

## Product Packaging

|                   |      |
|-------------------|------|
| Cardboard (g)     | 1480 |
| Other paper (g)   | 35   |
| Aluminum (g)      | 0    |
| Steel (g)         | 0    |
| Styrofoam (g)     | 0    |
| Other plastic (g) | 47   |
| Wood (g)          | 0    |
| Glass (g)         | 0    |
| Others (g)        | 0    |

## Spare parts

| Material               | Description                              | Quantity | Unit |
|------------------------|------------------------------------------|----------|------|
| 191214                 | HF-SP702(B) CONNECTOR PIN                | 3        | PC   |
| <a href="#">278629</a> | HG-SR-121 - 502 P-BRACKET                | 1        | PC   |
| <a href="#">278633</a> | HG-SR-121B - 502B O-BRACKET              | 1        | PC   |
| <a href="#">191224</a> | HF-SP202/352/502/702(B) O-RING FOR FRAME | 2        | PC   |
| <a href="#">191226</a> | HF-SP202/352/502/702(B) O-RING FOR MOUNT | 1        | PC   |
| <a href="#">191229</a> | HF-SP702(B) CONNECTOR POWER              | 1        | PC   |
| <a href="#">191232</a> | HF-SP702(B) O-RING FOR CONNECTOR         | 1        | PC   |
| <a href="#">278645</a> | HG-SR/HF-SP-121B - 502B/702B BRAKE       | 1        | PC   |
| <a href="#">278648</a> | HG-SR-121B - 502B/702B BRAKE KEY         | 1        | PC   |
| <a href="#">333980</a> | HG-SN52-302BJ CONNECTOR BRAKE            | 1        | PC   |
| <a href="#">191239</a> | HF-SP202/352/502/702(B) PRE LOAD SPRING  | 1        | PC   |
| <a href="#">191242</a> | HF-SP202/352/502/702(B) BEARING EP6208ZZ | 1        | PC   |
| <a href="#">332677</a> | HG-SR121-702(4)/(B)(W0C) BEARING         | 1        | PC   |
| <a href="#">191246</a> | HF-SP202/352/502/702(B) O-RING P-BR/WEIG | 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="#">136358</a> | MR-PWCNS3<br>Power Connector Set for HF-SP,HG-SR702/7024, HG-JR703/7034/903/9034 motor<br>Class 100100509: FA-Servo-Motion: Connector |
| <a href="#">150771</a> | PCS100N-02.0-0C3<br>Power cable; for HG-SR702,HC-SFS702(4),HF-SP702(4), high flexible, 2m<br>Class 100100508: FA-Servo-Motion: Cable  |
| <a href="#">150772</a> | PCS100N-05.0-0C3<br>Power cable; for HG-SR702,HC-SFS702(4),HF-SP702(4), high flexible, 5m<br>Class 100100508: FA-Servo-Motion: Cable  |
| <a href="#">150819</a> | PCS100N-10.0-0C3<br>Power cable; for HG-SR702,HC-SFS702(4),HF-SP702(4), high flexible, 10m<br>Class 100100508: FA-Servo-Motion: Cable |
| <a href="#">150821</a> | PCS100N-20.0-0C3<br>Power cable; for HG-SR702,HC-SFS702(4),HF-SP702(4), high flexible, 20m<br>Class 100100508: FA-Servo-Motion: Cable |

| Material               | Description / Price List Text / Classification                                                                                                   |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">150822</a> | PCS100N-30.0-0C3<br>Power cable; for HG-SR702,HC-SFS702(4),HF-SP702(4), high flexible, 30m<br>Class 100100508: FA-Servo-Motion: Cable            |
| <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             |
| <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="#">161575</a> | MR-BKCNS1<br>Brake-Connector-Set for HF-SE/SN/SP/JP, HG-SN/SR, HK-ST/RT motor<br>Class 100100509: FA-Servo-Motion: Connector                     |
| <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="#">202110</a> | PCS100N-45.0-0C3<br>Power cable; for HG-SR702,HC-SFS702(4),HF-SP702(4), high flexible, 45m<br>Class 100100508: FA-Servo-Motion: Cable            |
| <a href="#">202249</a> | BCS015S-02.0-BKS1<br>Brake cable; for HF-SE/SN/SP/JP, HG-SN/SR, HK-RT/ST; high flexible, grey, 2m<br>Class 100100508: FA-Servo-Motion: Cable     |
| <a href="#">202250</a> | BCS015S-05.0-BKS1<br>Brake cable; for HF-SE/SN/SP/JP, HG-SN/SR, HK-RT/ST; high flexible, grey, 5m<br>Class 100100508: FA-Servo-Motion: Cable     |
| <a href="#">202251</a> | BCS015S-10.0-BKS1<br>Brake cable; for HF-SE/SN/SP/JP, HG-SN/SR, HK-RT/ST; high flexible, grey, 10m<br>Class 100100508: FA-Servo-Motion: Cable    |
| <a href="#">202252</a> | BCS015S-20.0-BKS1<br>Brake cable; for HF-SE/SN/SP/JP, HG-SN/SR, HK-RT/ST; high flexible, grey, 20m<br>Class 100100508: FA-Servo-Motion: Cable    |
| <a href="#">202253</a> | BCS015S-30.0-BKS1<br>Brake cable; for HF-SE/SN/SP/JP, HG-SN/SR, HK-RT/ST; high flexible, grey, 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="#">227427</a> | MR-BKCNS1A<br>Brake Connector-Set for HF-JP(B), HK-ST/RT motor<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             |

| Material               | Description / Price List Text / Classification                                                                                             |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <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         |
| <a href="#">248688</a> | MR-BKCNS2<br>Brake Connector Set for HG-SN/SR, HK-ST/RT motor, IP67 (Straight Type)<br>Class 100100509: FA-Servo-Motion: Connector         |
| <a href="#">248689</a> | MR-BKCNS2A<br>Brake Connector Set for HG-SN/SR, HK-ST/RT motor, IP67 (Angle Type)<br>Class 100100509: FA-Servo-Motion: Connector           |
| <a href="#">258928</a> | BCS015S-15.0-BKS1<br>Brake cable; for HF-SE,-SN,-SP,-JP, HG-SR, high flexible, grey, 15m<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 |