



## MATERIAL FACT SHEET

### 248672 HG-SR102

#### 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/000000000000248672](https://mitsubishi-electric-eshop.mee.com/mee/FA_IA/EUR/en/p/000000000000248672)

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

|                            |                |
|----------------------------|----------------|
| Series                     | MELSERVO-J4    |
| Type                       | HG-SR          |
| Power Supply (V)           | 200            |
| Rated Capacity (kW)        | 1              |
| Inertia                    | MEDIUM INERTIA |
| Rated Torque (Nm)          | 4,8            |
| Maximum Torque (Nm)        | 14,3           |
| Rated Speed (rpm)          | 2000           |
| Maximum Speed (rpm)        | 3000           |
| Inertia (kg*cm2)           | 11,6           |
| 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)  | 187,5 |
| Weight (kg) | 6,2   |

#### Logistic Dimensions & Gross Weight

|                   |        |
|-------------------|--------|
| Length (cm)       | 32,0   |
| Width (cm)        | 16,5   |
| Height (cm)       | 24,0   |
| Gross Weight (kg) | 6,270  |
| Volume (cdm)      | 12,672 |

#### Stock Data

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

#### Life Cycle

|             |                   |
|-------------|-------------------|
| Sales Start | 11.04.2012        |
| Predecessor | 161526 / HF-SP102 |

#### Additional Product Information

|                            |                  |
|----------------------------|------------------|
| Binding Tariff Information | DEBTI-10611/21-1 |
| BTI validity date          | 26.09.2024       |
| Battery included           | NO               |

#### Export Data

|                               |            |
|-------------------------------|------------|
| Commodity Code                | 85015220   |
| 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-SR102&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=bltdae25c2bd5f2ff94&amp;q=HG-SR102&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-SR102&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt8050dd1408c11cc2&amp;q=HG-SR102&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-SR102&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt26ecc97a31a841c1&amp;q=HG-SR102&amp;doc-lang=en</a> |

## Product Packaging

|                   |     |
|-------------------|-----|
| Cardboard (g)     | 530 |
| Other paper (g)   | 0   |
| Aluminum (g)      | 0   |
| Steel (g)         | 0   |
| Styrofoam (g)     | 0   |
| Other plastic (g) | 6,7 |
| Wood (g)          | 0   |
| Glass (g)         | 0   |
| Others (g)        | 1   |

## 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   |
| 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="#">161573</a> | MR-PWCNS4<br>Power Connector Set for HG-SR, HG-JR, HK-ST<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="#">202280</a> | PCS025N-02.0-0C4<br>Power cable for HG-SR102, HK-ST172W/202AW/302W/3534W/5034W; high flexible, 2m<br>Class 100100508: FA-Servo-Motion: Cable  |
| <a href="#">202281</a> | PCS025N-05.0-0C4<br>Power cable for HG-SR102, HK-ST172W/202AW/302W/3534W/5034W; high flexible, 5m<br>Class 100100508: FA-Servo-Motion: Cable  |
| <a href="#">202282</a> | PCS025N-10.0-0C4<br>Power cable for HG-SR102, HK-ST172W/202AW/302W/3534W/5034W; high flexible, 10m<br>Class 100100508: FA-Servo-Motion: Cable |
| <a href="#">202283</a> | PCS025N-20.0-0C4<br>Power cable for HG-SR102, HK-ST172W/202AW/302W/3534W/5034W; high flexible, 20m<br>Class 100100508: FA-Servo-Motion: Cable |

| Material               | Description / Price List Text / Classification                                                                                                |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">202294</a> | PCS025N-30.0-0C4<br>Power cable for HG-SR102, HK-ST172W/202AW/302W/3534W/5034W; high flexible, 30m<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            |