

## MATERIAL FACT SHEET

### 313089 RV-4FRLM-D

#### General Data

|                     |                          |
|---------------------|--------------------------|
| Product Hierarchy   | IAG25201                 |
|                     | ROBOT                    |
|                     | RV-4FR-D                 |
| 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/000000000000313089](https://mitsubishi-electric-eshop.mee.com/mee/FA_IA/EUR/en/p/000000000000313089)

#### FA-Robot: Robotssystem

|                            |                      |
|----------------------------|----------------------|
| Series                     | RV-FR SERIES         |
| Type                       | VERTICAL             |
| Payload (kg)               | 4                    |
| Max. Reach Radius (mm)     | 649                  |
| Environment specification  | OIL MIST             |
| Controller Type            | CR800-D              |
| Cycle Time (s)             | 0,36                 |
| Speed (mm/s)               | 9048                 |
| Repeatability (mm)         | 0,02                 |
| Installation Method        | FLOOR, CEILING, WALL |
| Protection Class           | IP67                 |
| Power Supply 1 Phase (VAC) | 200-230              |
| Power Consumption (VA)     | 1000                 |
| Operating Range J1 (deg)   | 480                  |
| Operating Range J2 (deg)   | 240                  |
| Operating Range J3 (deg)   | 164                  |
| Operating Range J4 (deg)   | 400                  |
| Operating Range J5 (deg)   | 240                  |
| Operating Range J6 (deg)   | 720                  |

#### Product Dimensions & Weight

|             |       |
|-------------|-------|
| Width (mm)  | 241   |
| Height (mm) | 764,9 |
| Depth (mm)  | 603   |
| Weight (kg) | 41    |

#### Logistic Dimensions & Gross Weight

|                   |         |
|-------------------|---------|
| Length (cm)       | 139,0   |
| Width (cm)        | 69,0    |
| Height (cm)       | 91,0    |
| Gross Weight (kg) | 114,000 |
| Volume (cdm)      | 872,781 |

#### Stock Data

|                              |     |
|------------------------------|-----|
| Planned Delivery Time (Days) | 134 |
|------------------------------|-----|

#### Life Cycle

|             |                          |
|-------------|--------------------------|
| Sales Start | 01.07.2017               |
| Predecessor | 255600 / RV-4FLM-1D1-S15 |

#### Additional Product Information

|                            |                             |
|----------------------------|-----------------------------|
| Binding Tariff Information | DEBTI-10891/21-1            |
| BTI validity date          | 27.06.2024                  |
| Battery included           | YES - CHECK SPARE PART LIST |

## Export Data

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

## Environmental

|                                |                            |
|--------------------------------|----------------------------|
| REACH Limit Exceeded           | YES                        |
| REACH Substance CAS Number     | <a href="#">12060-00-3</a> |
| REACH Substance CAS Number (2) | <a href="#">1303-86-2</a>  |
| REACH Substance CAS Number (3) | <a href="#">7439-92-1</a>  |
| REACH Substance CAS Number (4) | <a href="#">80-05-7</a>    |
| Dangerous Goods Class          | 9                          |
| Dangerous Goods Identifier     | UN3091                     |
| RoHS Compliance                | NOT IN SCOPE               |
| 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=RV-4FRLM-D&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=bltdae25c2bd5f2ff94&amp;q=RV-4FRLM-D&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=RV-4FRLM-D&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt8050dd1408c11cc2&amp;q=RV-4FRLM-D&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=RV-4FRLM-D&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt26ecc97a31a841c1&amp;q=RV-4FRLM-D&amp;doc-lang=en</a> |

## Product Packaging

|                   |       |
|-------------------|-------|
| Cardboard (g)     | 17626 |
| Other paper (g)   | 120   |
| Aluminum (g)      | 0     |
| Steel (g)         | 70    |
| Styrofoam (g)     | 0     |
| Other plastic (g) | 1288  |
| Wood (g)          | 26500 |
| Glass (g)         | 0     |
| Others (g)        | 500   |

## Spare parts

| Material               | Description                              | Quantity | Unit |
|------------------------|------------------------------------------|----------|------|
| <a href="#">593898</a> | RV-4/7F / FR MOTOR J3 KR13BL-920061      | 2        | PC   |
| <a href="#">593898</a> | RV-4/7F / FR MOTOR J3 KR13BL-920061      | 1        | PC   |
| <a href="#">598367</a> | RV-4F/7F MOTOR HG-KR13D-S920061          | 2        | PC   |
| <a href="#">598317</a> | RV-4F/7F MOTOR HG-KR053D-S920060         | 1        | PC   |
| <a href="#">265181</a> | RV4-FRL/M HARMONIC DRIVE J1              | 1        | PC   |
| <a href="#">265182</a> | RV-4FRL/M HARMONIC DRIVE J2              | 1        | PC   |
| <a href="#">265184</a> | RV-4FRL/M HAMONIC DRIVE J3               | 1        | PC   |
| <a href="#">265195</a> | RV-4FR(L)/M HAMONIC DRIVE J4             | 1        | PC   |
| <a href="#">410993</a> | RV-4/7FR HARMONIC DRIVE J5 New type      | 1        | PC   |
| <a href="#">265197</a> | RV-8CRL HARMONIC DRIVE J6                | 1        | PC   |
| <a href="#">415461</a> | RV-4FR CRB J1 (RH3FH J1)(RH-12/20FRH J2) | 1        | PC   |
| <a href="#">415462</a> | RV-4FR CRB J3 (RH-12/20FRH J1)           | 1        | PC   |
| <a href="#">265201</a> | RV-4F/LJ2 7F/LJ3 CROSS ROLLER BEARING    | 1        | PC   |
| <a href="#">237502</a> | RV-8CRL CROSS ROLLER BEARING             | 1        | PC   |
| <a href="#">265204</a> | RV-4F/7F BALL BEARING 6902DD             | 2        | PC   |
| <a href="#">262550</a> | RH-12/20FRH BALL BEARING 6815ZZ/A2       | 1        | PC   |
| <a href="#">265205</a> | RV-4F/7F BALL BEARING 626                | 1        | PC   |
| <a href="#">164946</a> | RH-13/20/7FL(L) BALL BEARING 6809DD      | 1        | PC   |
| <a href="#">415463</a> | RV/RH-FR BALL BEARING 6809ZZ             | 1        | PC   |
| <a href="#">265206</a> | RV-4F/7F BALL BEARING 6812DD             | 1        | PC   |
| <a href="#">265207</a> | RV-4F/7F BALL BEARING 606                | 1        | PC   |
| <a href="#">249950</a> | RV-5AS-D BALL BEARING 6805ZZ             | 2        | PC   |
| <a href="#">243685</a> | RV-4F/7F BALL BEARING 6808ZZU76UG        | 1        | PC   |
| <a href="#">154921</a> | RV-6S/SL BEARING 688AZZ1                 | 1        | PC   |
| <a href="#">415464</a> | RV-4/7FR BALL BEARING F696DD1MC3PS2S     | 2        | PC   |
| <a href="#">237503</a> | RH-13F/20F/7FLL BALL BEARING 6806DD      | 1        | PC   |
| <a href="#">265209</a> | RV-5AS-D BALL BEARING F608ZZ             | 1        | PC   |
| <a href="#">164945</a> | RV-3SB/3SJB BALL BEARING 687MC3          | 2        | PC   |
| <a href="#">415467</a> | RV-4FR BRG INNER RACE STOPPER J1 SET     | 1        | PC   |

| Material               | Description                             | Quantity | Unit |
|------------------------|-----------------------------------------|----------|------|
| <a href="#">265204</a> | RV-4F/7F BALL BEARING 6902DD            | 1        | PC   |
| <a href="#">415468</a> | RV-4FR HD SHAFT J1                      | 1        | PC   |
| <a href="#">305755</a> | RV-7F/FL MODIFICATION J1 4/6 COLLAR     | 1        | PC   |
| <a href="#">276702</a> | RV-8CRL SAFETY SOCKET 2                 | 1        | PC   |
| <a href="#">308838</a> | RV-4FRL/7FRL(L) GEAR R                  | 1        | PC   |
| <a href="#">308839</a> | RV-4FRL/7FRL(L) GEAR L                  | 1        | PC   |
| <a href="#">265213</a> | RV-4FR(L)/M TIMING PULLEY J1            | 2        | PC   |
| <a href="#">265215</a> | RV-5AS-D TIMING PULLEY J5               | 1        | PC   |
| <a href="#">265219</a> | RV-4/7FR(L)/M TIMING PULLEY J4AJ5A      | 2        | PC   |
| <a href="#">265220</a> | RV-4/7FR(L)/M TIMING PULLEY J4B         | 1        | PC   |
| <a href="#">278321</a> | RV-7FRL TIMING PULLEY J6B               | 2        | PC   |
| <a href="#">265223</a> | RV-4/7FR(L)/M TIMING PULLEY J6A         | 1        | PC   |
| <a href="#">415473</a> | RV-4FR PULLEY J5B SET                   | 1        | PC   |
| <a href="#">278321</a> | RV-7FRL TIMING PULLEY J6B               | 1        | PC   |
| <a href="#">415474</a> | RV-4FR SHIM J5                          | 1        | PC   |
| <a href="#">415475</a> | RV-4FR TIMING BELT J1                   | 1        | PC   |
| <a href="#">415476</a> | RV-4FR TIMING BELT J3                   | 1        | PC   |
| <a href="#">415477</a> | RV-4FR TIMING BELT J4                   | 1        | PC   |
| <a href="#">415478</a> | RV-4FR TIMING BELT J5                   | 1        | PC   |
| <a href="#">415479</a> | RV-4FR/7FR TIMING BELT J6               | 1        | PC   |
| <a href="#">262607</a> | RH-1FHR OILSEAL AD70857                 | 1        | PC   |
| <a href="#">265232</a> | RV-4/7FR(L)/M OILSEAL AD 23 32 5        | 1        | PC   |
| <a href="#">265233</a> | RV-4/7FR(L)/M OILSEAL AD 38 50 7        | 1        | PC   |
| <a href="#">265234</a> | RV-4/7/13/20FRL(L) OILSEAL AD 10 20 5   | 2        | PC   |
| <a href="#">262605</a> | RH-3CH/6CH/6CRH OILSEAL AC1314F0        | 2        | PC   |
| <a href="#">265241</a> | RV-4/7/13/20FRL/M OILSEAL M-110         | 2        | PC   |
| <a href="#">265242</a> | RV-4/13/20FRL/M OILSEAL M-84            | 3        | PC   |
| <a href="#">237529</a> | RV-2FR(L)/FR(L)B OILSEAL J5,J6          | 1        | PC   |
| <a href="#">265244</a> | RV-4/7FR(L)/M O RING CO0553A            | 1        | PC   |
| <a href="#">265245</a> | RV-4/7FR(L)/M O RING CO0522A            | 1        | PC   |
| <a href="#">237538</a> | RH-13F/20F/7FLL O RING CO0200-A0        | 1        | PC   |
| <a href="#">154943</a> | RV-6S/SL O RING 51,38x1                 | 1        | PC   |
| <a href="#">415484</a> | RV-4/7FR O RING                         | 1        | PC   |
| <a href="#">265246</a> | RV-4/7FR(L)/M FELT J1                   | 1        | PC   |
| <a href="#">265247</a> | RV-4FR(L)/M FELT J2                     | 1        | PC   |
| <a href="#">265249</a> | RV-4FR(L)/M FELT J3                     | 1        | PC   |
| <a href="#">301335</a> | RV-4F/L/M FELT J3C                      | 2        | PC   |
| <a href="#">278335</a> | RV-7FRL/13FR(L)/20FR CARD SPACER        | 2        | PC   |
| <a href="#">262558</a> | RH-12/20FRH CONNECTOR IL-2S-S3L(N)      | 1        | PC   |
| <a href="#">237583</a> | RH-12/20FRH GREASE NIPPLE WA610 NYLON   | 2        | PC   |
| <a href="#">164980</a> | RH-12/20FRH GREASE NIPPLE CAP           | 2        | PC   |
| <a href="#">249980</a> | RH-13F/20F/7FLL AIR JOINT UKB6          | 2        | PC   |
| <a href="#">265259</a> | RV-4/7/13/20FRL/M UNION AIR JOINT UKB8  | 1        | PC   |
| <a href="#">265260</a> | RV-4/7/13/20FRL(L)/M CABLE CLAMP -WS10M | 2        | PC   |
| <a href="#">276668</a> | RH-2FH CABLE GLAND 3                    | 1        | PC   |
| <a href="#">164975</a> | RH-12/20FRH PARALLEL PIN H74x8          | 5        | PC   |
| <a href="#">415487</a> | RV-4/7FR HD RING J2/PIN SET             | 2        | PC   |
| <a href="#">415502</a> | RH-FR PIN J2                            | 8        | PC   |
| <a href="#">415488</a> | RV-4/7FR HD RING J2                     | 2        | PC   |
| <a href="#">265262</a> | RV-4FR(L)/M PIN                         | 4        | PC   |
| <a href="#">265263</a> | RV-4/7FR(L)/M IPPAN KEY 5X5X16          | 2        | PC   |
| <a href="#">237579</a> | RH-6CRHK KEY IPPAN W-MARU 3X3X6         | 2        | PC   |
| <a href="#">249976</a> | RH-13F/20F/7FLL SNAP RING ANA-C37       | 2        | PC   |
| <a href="#">265265</a> | RV-4/7FRL(L)/M SHIM J6 0,1mm            | 2        | PC   |
| <a href="#">265266</a> | RV-4/7FRL(L)/M SHIM J6 0,3mm            | 1        | PC   |
| <a href="#">265267</a> | RV-4/7FRL(L)/M SHIM J6 0,5mm            | 1        | PC   |
| <a href="#">265268</a> | RV-4/7/13/20FRL/M SEAL WASHER 4X7.2     | 3        | PC   |
| <a href="#">237540</a> | RV-5AS-D SEAL WASHER(M6)                | 5        | PC   |
| <a href="#">237585</a> | RV-8CRL LOW HEAD CAP SCREW SSH-EL-M6    | 5        | PC   |
| <a href="#">278352</a> | RV-4FRL/7FRL BRAKE CABLE ASSY (7F-J6)   | 3        | PC   |
| <a href="#">415491</a> | RV-4/7FR BRAKE                          | 3        | PC   |
| <a href="#">415494</a> | RV-4FRL INTERNAL CABLE ASSY(4FRL)       | 1        | PC   |
| <a href="#">237552</a> | RV-4FR/7FR STOPPER J1                   | 2        | PC   |
| <a href="#">265273</a> | RV-4/7FR(L)/M STOPPER J1                | 1        | PC   |
| <a href="#">237553</a> | RV-4FR/7FR STOPPER J4                   | 1        | PC   |
| <a href="#">278359</a> | RV-8CRL STOPPER A                       | 4        | PC   |
| <a href="#">265278</a> | RV-4FRL/M BOTTOM PLATE(MIST/CLEAN)      | 1        | PC   |
| <a href="#">265287</a> | RV-4FR(L)/M COVER SHOULDER U (MIST)     | 1        | PC   |
| <a href="#">265296</a> | RV-4FRL/M COVER ARM NO1 B (GROOVED)     | 1        | PC   |
| <a href="#">265282</a> | RV-4/7/13/20FRL(L)/M COVER CONBOX       | 1        | PC   |

| Material               | Description                              | Quantity | Unit |
|------------------------|------------------------------------------|----------|------|
| 265300                 | RV-4FRL/M COVER ASSY ELBOW B             | 1        | PC   |
| <a href="#">265306</a> | RV-7FRL/M COVER ARM NO2 U (GROOVED)      | 1        | PC   |
| <a href="#">278390</a> | RV-7FRL/CABLE CLAMP BOX                  | 1        | PC   |
| <a href="#">265309</a> | RV-4/7FRL/M COVER CONBOX R2              | 1        | PC   |
| 237636                 | RV-5AS-D DIRECTION MARK                  | 1        | PC   |
| 237602                 | RH-3CH/6CH/6CRH ALIGNMENT MARK (MINI)    | 12       | PC   |
| 237606                 | RH-12/20FRH EARTH NAMEPLATE              | 1        | PC   |
| 237604                 | RH-12/20FRH COORDINATES DIRECTION MARK a | 1        | PC   |
| 237605                 | RH-12/20FRH COORDINATES DIRECTION MARK b | 1        | PC   |
| <a href="#">415497</a> | RV-4/7FR RUBBER SHEET 1                  | 1        | PC   |
| <a href="#">237596</a> | RH-13F/20F/7FLL RUBBER SHEET             | 2        | PC   |
| 237626                 | RV-5AS-D RUBBER SHEET (124-169)          | 1        | PC   |
| <a href="#">278340</a> | RV-7FRL/13FR(L)/20FR RUBBER SHEET 6      | 4        | PC   |
| <a href="#">278341</a> | RV-7FRL/13FR(L)/20FR RUBBER SHEET 7      | 3        | PC   |
| 164988                 | RH-13F/20F/7FLL RUBBER SHEET 450x30      | 1        | PC   |
| 243688                 | RH-12/20FRH PLUG UP8                     | 1        | PC   |
| <a href="#">278350</a> | RV-7FRL/13FR(L)/20FR CONBOX WIRING ASSY  | 1        | PC   |
| 134302                 | GLUE 242 LOCTITE 250ml                   | 1        | PC   |
| <a href="#">134305</a> | LIQUID GASKET WHITE THREE BOND 1212      | 1        | PC   |
| <a href="#">265340</a> | RV-4FRL/M SUPPORT PLATE U                | 1        | PC   |
| <a href="#">405791</a> | CR800 PCB CONVERTER DQ801A               | 1        | PC   |
| 134304                 | ROBOT SILICONE GREASEG501 1KG            | 1        | PC   |
| <a href="#">278338</a> | RV-7FRL/13FR(L)/20FR PLUG UP6            | 2        | PC   |
| <a href="#">410994</a> | RH-12/20FH POWER CABLE 1F-05UCBL-41      | 1        | PC   |
| <a href="#">405793</a> | CR800 PCB INVERTER DQ855A FOR RV-4FR     | 1        | PC   |
| <a href="#">602876</a> | CR800 PCB CPU DQ171D                     | 1        | PC   |
| <a href="#">405790</a> | CR800 PCB OPTIONAL SLOT DQ332A           | 1        | PC   |
| <a href="#">405801</a> | CR800 POWER SUPPLY UNTIL RV-7FR/RH20FR   | 2        | PC   |
| 220184                 | CR2D CR2Q OPTION COVER                   | 2        | PC   |
| <a href="#">405788</a> | CR800 PCB SERVO CPU DQ865B               | 1        | PC   |
| <a href="#">405789</a> | CR800 PCB SYSTEM IO DQ331B               | 1        | PC   |
| <a href="#">405803</a> | CR800 NOISE FILTER UNTIL RV-7FR/RH20FR   | 1        | PC   |
| <a href="#">405805</a> | CR800 FUSE 500SF-20UL                    | 2        | PC   |
| <a href="#">405807</a> | CR800 OPTION CASE                        | 1        | PC   |
| <a href="#">405806</a> | CR800 FUSE HOLDER                        | 2        | PC   |
| <a href="#">220273</a> | CR800 TB CONNECTOR                       | 1        | PC   |
| <a href="#">262774</a> | NARC 750 FILTER DUST                     | 1        | PC   |
| <a href="#">405808</a> | CR800 CABLE BK0FA1078H01                 | 1        | PC   |
| <a href="#">262774</a> | NARC 750 FILTER DUST                     | 1        | PC   |
| <a href="#">405809</a> | CR800 CABLE BK0FA1078H02                 | 1        | PC   |
| <a href="#">405810</a> | CR800 CABLE BK0FA1078H03                 | 1        | PC   |
| <a href="#">405811</a> | CR800 CABLE BK0FA1078H04                 | 3        | PC   |
| <a href="#">262786</a> | NARC 750/751 LOCK EDGING SADDLE          | 1        | PC   |
| 220314                 | CR2D CR2Q CABLE GUIDE WS-1NS             | 8        | PC   |
| 220243                 | CR800 RUBBER MOUNT KG-010                | 7        | PC   |
| <a href="#">220304</a> | CR800 SPACER MPS-08-0                    | 1        | PC   |
| <a href="#">237852</a> | CR800 SEAL ATT. (ELECTRIFIC.) 114-406    | 1        | PC   |
| <a href="#">64687</a>  | FUSE 1,6A                                | 1        | PC   |
| <a href="#">405812</a> | CR800 CONNECTOR U794D030G51              | 1        | PC   |
| <a href="#">405813</a> | CR800 CONNECTOR U794D030G52              | 1        | PC   |
| <a href="#">405814</a> | CR800 ACIN CABLE BK0FA1006H53            | 1        | PC   |
| <a href="#">405817</a> | CR800 FAN 1                              | 1        | PC   |
| 405818                 | CR800 FAN 2                              | 1        | PC   |
| <a href="#">248692</a> | MR-BAT6V1                                | 4        | PC   |

#### Compatible products

| Material               | Description / Price List Text / Classification                                                                               |
|------------------------|------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">47389</a>  | 1E-ST0404C<br>Robot option Tube for double pneumatic hand<br>Class 100100606: FA-Robot: Tube                                 |
| <a href="#">47390</a>  | 1E-ST0402C<br>Robot option Tube for single pneumatic hand<br>Class 100100606: FA-Robot: Tube                                 |
| <a href="#">124658</a> | 2A-RZ371<br>Robot option I/O-Interface: 32 inputs /32 Outputs (decentral I/O's)<br>Class 100100604: FA-Robot: Interface Card |
| <a href="#">214968</a> | R32TB<br>Robot Teaching Box; Narc controller (standard version)<br>Class 100100602: FA-Robot: Teachingbox                    |

| Material               | Description / Price List Text / Classification                                                                                        |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">218862</a> | 2D-TZ378<br>Robot option I/O-Interface: 32 inputs /32 Outputs (internal I/O's expansion)<br>Class 100100604: FA-Robot: Interface Card |
| <a href="#">219063</a> | 2D-TZ576<br>Robot option CC-Link-Interface-card<br>Class 100100604: FA-Robot: Interface Card                                          |
| <a href="#">225756</a> | R32TB-15<br>Teaching box R32TB with 7 lines display and 15m cable length<br>Class 100100602: FA-Robot: Teachingbox                    |
| <a href="#">232808</a> | 2D-TZ368<br>Robot option E/A-Interface: 32 inputs /32 Outputs SINK (internal I/O's )<br>Class 100100604: FA-Robot: Interface Card     |
| <a href="#">255281</a> | 1F-VD01E-02<br>RV-F Pneumatic single valve set incl. noise-inferior<br>Class 100100603: FA-Robot: Valve                               |
| <a href="#">255282</a> | 1F-VD02E-02<br>RV-F Pneumatic double valve set incl. noise-inferior<br>Class 100100603: FA-Robot: Valve                               |
| <a href="#">255283</a> | 1F-VD03E-02<br>RV-F Pneumatic triple valve set incl. noise-inferior<br>Class 100100603: FA-Robot: Valve                               |
| <a href="#">255284</a> | 1F-VD04E-02<br>RV-F Pneumatic quadruple valve set incl. noise-inferior<br>Class 100100603: FA-Robot: Valve                            |
| <a href="#">255285</a> | 1F-GR35S-02<br>RV-4F/RV-7F Hand output cable<br>Class 100100605: FA-Robot: Cable                                                      |
| <a href="#">255286</a> | 1F-HC35S-02<br>RV-4F/RV-7F Hand input cable<br>Class 100100605: FA-Robot: Cable                                                       |
| <a href="#">257935</a> | 1F-HA01S-01<br>RV-F External wiring set 1 for the robot base<br>Class 100100605: FA-Robot: Cable                                      |
| <a href="#">257936</a> | 1F-HB01S-01<br>RV-F External wiring set 1 for the forearm<br>Class 100100605: FA-Robot: Cable                                         |
| 259885                 | 2D-TZ535<br>Network Interface for CompactCom module<br>Class 100100604: FA-Robot: Interface Card                                      |
| <a href="#">268039</a> | RV-F / RV-FR Connector Set<br>RV-4/7/13/20F(R) Connector Set<br>Class 100100607: FA-Robot: Other Option                               |
| <a href="#">269546</a> | 2D-TZ535-PN-SET<br>Robot Network Interface Profinet IO<br>Class 100100604: FA-Robot: Interface Card                                   |
| 269555                 | 2D-TZ535-PN<br>Network Interface for CompactCom Modul Profinet<br>Class 100100604: FA-Robot: Interface Card                           |
| <a href="#">271212</a> | 2F-YZ581<br>Encoder Distribution Unit for robot controller<br>Class 100100604: FA-Robot: Interface Card                               |
| <a href="#">271513</a> | 1F-HA02S-01<br>RV-F External wiring set 2 for the robot base<br>Class 100100605: FA-Robot: Cable                                      |
| <a href="#">271514</a> | 1F-HB02S-01<br>RV-F External wiring set 2 for the forearm<br>Class 100100605: FA-Robot: Cable                                         |
| <a href="#">273786</a> | 1F-DH-03<br>RV-4F J1 Stopper<br>Class 100100607: FA-Robot: Other Option                                                               |
| <a href="#">282409</a> | 2D-TZ535-EIP-SET<br>Robot Network Interface EtherNet/IP<br>Class 100100604: FA-Robot: Interface Card                                  |
| <a href="#">313061</a> | 4F-SF002-01<br>Safety option unit MELFA SafePlus for CR800 Controller<br>Class 100100604: FA-Robot: Interface Card                    |
| <a href="#">313062</a> | CR800-MB<br>Protection Box IP54 for CR800 Controller<br>Class 100100607: FA-Robot: Other Option                                       |

| Material               | Description / Price List Text / Classification                                                                                                         |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">313063</a> | 2F-DQ535<br>Network Interface for CompactCom module CC-Link IE Filed AB6709<br>Class 100100604: FA-Robot: Interface Card                               |
| <a href="#">313064</a> | 4F-FS002H-W200<br>Force Sensor Set 200N incl. Interface unit (2F-DQ561) for FR Series<br>Class 100100607: FA-Robot: Other Option                       |
| <a href="#">313105</a> | 4F-FS002H-W1000<br>Force Sensor Set 1000N incl. Interface unit (2F-DQ561) for FR Series<br>Class 100100607: FA-Robot: Other Option                     |
| <a href="#">313106</a> | 1F-10UCBL-41<br>Machine cable for CR800 controller, standard, 10m<br>Class 100100605: FA-Robot: Cable                                                  |
| <a href="#">313107</a> | 1F-15UCBL-41<br>Machine cable for CR800 controller, standard, 15m<br>Class 100100605: FA-Robot: Cable                                                  |
| <a href="#">313108</a> | 1F-10LUCBL-41<br>Machine cable for CR800 controller, high flexible, 10m<br>Class 100100605: FA-Robot: Cable                                            |
| <a href="#">313109</a> | 1F-15LUCBL-41<br>Machine cable for CR800 controller, high flexible, 15m<br>Class 100100605: FA-Robot: Cable                                            |
| <a href="#">324579</a> | RT ToolBox3 Standard<br>Robot programming and simulation Software, Windows 10/11; USB<br>Class 100101206: FA-Software: Software Robot                  |
| <a href="#">324580</a> | RT ToolBox3 Pro<br>Robot programming and simulation Software incl. MELFA-Works, Windows 10/11<br>Class 100101206: FA-Software: Software Robot          |
| <a href="#">325728</a> | 2F-DQ510<br>MELFA Smart Plus Card Pack A-Type<br>Class 100100604: FA-Robot: Interface Card                                                             |
| <a href="#">325729</a> | 2F-DQ511<br>MELFA Smart Plus Card A-Type<br>Class 100100604: FA-Robot: Interface Card                                                                  |
| <a href="#">325730</a> | 1F-02UCBL-41<br>Machine cable for CR800 controller, standard, 2m<br>Class 100100605: FA-Robot: Cable                                                   |
| <a href="#">327863</a> | 1F-20UCBL-41<br>Machine cable for CR800 controller, standard, 20m<br>Class 100100605: FA-Robot: Cable                                                  |
| <a href="#">327864</a> | 1F-20LUCBL-41<br>Machine cable for CR800 controller, high flexible, 20m<br>Class 100100605: FA-Robot: Cable                                            |
| <a href="#">334232</a> | RT ToolBox3 Standard UPGRADE<br>Robot programming and simulation Software, Windows 10/11, Upgrade; USB<br>Class 100101206: FA-Software: Software Robot |
| <a href="#">603944</a> | 4F-SF003-05<br>Safety option unit MELFA SafePlus II Slim for CR800 Controller<br>Class 100100604: FA-Robot: Interface Card                             |
| <a href="#">687249</a> | R86TB<br>Robot Teaching Box with 10,1" (Colour / Touch version)<br>Class 100100602: FA-Robot: Teachingbox                                              |