



## MATERIAL FACT SHEET

### 312995 RH-20FRH10035N-D

#### General Data

|                     |                          |
|---------------------|--------------------------|
| Product Hierarchy   | IAG25001                 |
|                     | ROBOT                    |
|                     | RH-20FRH-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/000000000000312995](https://mitsubishi-electric-eshop.mee.com/mee/FA_IA/EUR/en/p/000000000000312995)

#### FA-Robot: Robotssystem

|                            |              |
|----------------------------|--------------|
| Series                     | RH-FR SERIES |
| Type                       | SCARA        |
| Payload (kg)               | 20           |
| Max. Reach Radius (mm)     | 1000         |
| Z Axis Stroke (mm)         | 350          |
| Environment specification  | OIL MIST     |
| Controller Type            | CR800-D      |
| Cycle Time (s)             | 0,36         |
| Speed (mm/s)               | 13283        |
| Repeatability (mm)         | 0,02         |
| Installation Method        | FLOOR        |
| Protection Class           | IP54         |
| Power Supply 1 Phase (VAC) | 200-230      |
| Power Consumption (VA)     | 1500         |
| Operating Range J1 (deg)   | 340          |
| Operating Range J2 (deg)   | 306          |
| Operating Range J4 (deg)   | 720          |

#### Product Dimensions & Weight

|             |      |
|-------------|------|
| Width (mm)  | 240  |
| Height (mm) | 1080 |
| Depth (mm)  | 1200 |
| Weight (kg) | 77   |

#### Logistic Dimensions & Gross Weight

|                   |           |
|-------------------|-----------|
| Length (cm)       | 183,0     |
| Width (cm)        | 83,0      |
| Height (cm)       | 142,0     |
| Gross Weight (kg) | 185,000   |
| Volume (cdm)      | 2.156,838 |

#### Stock Data

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

#### Life Cycle

|             |                               |
|-------------|-------------------------------|
| Sales Start | 01.07.2017                    |
| Predecessor | 254388 / RH-20FH10035N-D1-S15 |

#### Additional Product Information

|                            |                             |
|----------------------------|-----------------------------|
| Binding Tariff Information | DEBIT-10890/21-1            |
| BTI validity date          | 20.06.2024                  |
| 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="#">101-14-4</a>   |
| REACH Substance CAS Number (2) | <a href="#">117-81-7</a>   |
| REACH Substance CAS Number (3) | <a href="#">12060-00-3</a> |
| REACH Substance CAS Number (4) | <a href="#">1303-86-2</a>  |
| REACH Substance CAS Number (5) | <a href="#">7439-92-1</a>  |
| REACH Substance CAS Number (6) | <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=RH-20FRH10035N-D&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=bltdae25c2bd5f2ff94&amp;q=RH-20FRH10035N-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=RH-20FRH10035N-D&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt8050dd1408c11cc2&amp;q=RH-20FRH10035N-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=RH-20FRH10035N-D&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt26ecc97a31a841c1&amp;q=RH-20FRH10035N-D&amp;doc-lang=en</a> |

## Product Packaging

|                   |       |
|-------------------|-------|
| Cardboard (g)     | 34026 |
| Other paper (g)   | 120   |
| Aluminum (g)      | 0     |
| Steel (g)         | 70    |
| Styrofoam (g)     | 0     |
| Other plastic (g) | 1287  |
| Wood (g)          | 39700 |
| Glass (g)         | 0     |
| Others (g)        | 500   |

## Spare parts

| Material               | Description                              | Quantity | Unit |
|------------------------|------------------------------------------|----------|------|
| <a href="#">262546</a> | RH-12/20FRH MOTOR J1/2 RH-6FRH MOTOR J1  | 1        | PC   |
| <a href="#">262546</a> | RH-12/20FRH MOTOR J1/2 RH-6FRH MOTOR J1  | 1        | PC   |
| <a href="#">589543</a> | RH-12FRH/20FRH MOTOR J3 (400W)           | 1        | PC   |
| <a href="#">589544</a> | RH-12FRH MOTOR J4 (200W)                 | 1        | PC   |
| <a href="#">262632</a> | RH-12/20FRH HARMONIC DRIVE J1            | 1        | PC   |
| <a href="#">262821</a> | RH-12/20FRH HARMONIC DRIVE J2            | 1        | PC   |
| <a href="#">415462</a> | RV-4FR CRB J3 (RH-12/20FRH J1)           | 1        | PC   |
| <a href="#">294164</a> | RH-1FHR CROSS ROLLER BEARING J1          | 1        | PC   |
| <a href="#">415461</a> | RV-4FR CRB J1 (RH3FH J1)(RH-12/20FRH J2) | 1        | PC   |
| <a href="#">262646</a> | RH-12/20FRH ANGULAR BEARING              | 1        | PC   |
| <a href="#">262839</a> | RH-20FRH ANGULAR BEARING                 | 1        | PC   |
| <a href="#">133738</a> | RP-3/5AH BALL BEARING 6001ZZNR           | 2        | PC   |
| <a href="#">262550</a> | RH-12/20FRH BALL BEARING 6815ZZ/A2       | 2        | PC   |
| <a href="#">262649</a> | RH-12/20FRH TIMING PULLEY J3A            | 1        | PC   |
| <a href="#">262650</a> | RH-20FH TIMING PULLEY J3B                | 1        | PC   |
| <a href="#">262651</a> | RH-12/20FRH TIMING PULLEY J4A            | 1        | PC   |
| <a href="#">262652</a> | RH-12/20FH TIMING PULLEY J4B             | 1        | PC   |
| <a href="#">262653</a> | RH-12/20FRH TIMING PULLEY J4C            | 1        | PC   |
| <a href="#">505598</a> | RH-12FH TIMING PULLEY J4D                | 1        | PC   |
| <a href="#">415532</a> | RH-20FRH TIMING BELT J3                  | 1        | PC   |
| <a href="#">415533</a> | RH-12/20FRH TIMING BELT J4A              | 1        | PC   |
| <a href="#">415534</a> | RH-12/20FRH TIMING BELT J4B              | 1        | PC   |
| <a href="#">505598</a> | RH-12FH TIMING PULLEY J4D                | 1        | PC   |
| <a href="#">262841</a> | RH-12/20FRH V-SEAL J1 VR120A             | 1        | PC   |
| <a href="#">262823</a> | RH-12/20FRH V-SEAL J2 VR100A             | 1        | PC   |
| <a href="#">262552</a> | RH-12/20FRH OILSEAL AC1880H1             | 2        | PC   |
| <a href="#">262663</a> | RH-12/20FRH OILSEAL OS45554              | 1        | PC   |
| <a href="#">262664</a> | RH-12/20FRH OILSEAL KE 20304.5(NBR)      | 1        | PC   |
| <a href="#">415500</a> | RH-FR PIN J1                             | 2        | PC   |
| <a href="#">415501</a> | RH-FR HD RING J1                         | 1        | PC   |

| Material               | Description                              | Quantity | Unit |
|------------------------|------------------------------------------|----------|------|
| <a href="#">415516</a> | RH/RV-FR PIN J1                          | 3        | PC   |
| <a href="#">415517</a> | RH-6FRH HD RING J1                       | 1        | PC   |
| <a href="#">164954</a> | RH-12/20FRH AIR JOINT UKBL6              | 2        | PC   |
| <a href="#">278338</a> | RV-7FRLL/13FR(L)/20FR PLUG UP6           | 2        | PC   |
| <a href="#">249984</a> | RH-12/20FRH GROMMET C-30SG-22A-UL        | 1        | PC   |
| <a href="#">249983</a> | RH-12/20FRH GROMMET C-30SG-16A-UL        | 1        | PC   |
| <a href="#">237583</a> | RH-12/20FRH GREASE NIPPLE WA610 NYLON    | 1        | PC   |
| <a href="#">262555</a> | RH-12/20FRH GREASE NIPPLE WB610 NYLON    | 1        | PC   |
| 164980                 | RH-12/20FRH GREASE NIPPLE CAP            | 2        | PC   |
| <a href="#">276672</a> | RH-2FH2515 Ferritic core2                | 2        | PC   |
| 164975                 | RH-12/20FRH PARALLEL PIN H74x8           | 3        | PC   |
| <a href="#">262666</a> | RH-12/20FRH KEY IPPAN 4x4x8              | 1        | PC   |
| 276699                 | RH-2FH RUBBER MOUNT                      | 1        | PC   |
| <a href="#">262558</a> | RH-12/20FRH CONNECTOR IL-2S-S3L(N)       | 1        | PC   |
| <a href="#">262844</a> | RH-20FRH COVER ARM NO2 U                 | 1        | PC   |
| <a href="#">262674</a> | RH-12/20FRH COVER BATTERY                | 1        | PC   |
| <a href="#">278359</a> | RV-8CRL STOPPER A                        | 4        | PC   |
| 262848                 | RH-20FRH RUBBER STOPPER J3U              | 1        | PC   |
| 262849                 | RH-20FRH RUBBER STOPPER J3D              | 1        | PC   |
| <a href="#">415320</a> | RV-FR INTERNAL PCB DQ392                 | 1        | PC   |
| <a href="#">415321</a> | RV-FR INTERNAL PCB DQ006                 | 1        | PC   |
| <a href="#">415452</a> | RV-FR BATTERY HOLDER                     | 4        | PC   |
| 278335                 | RV-7FRLL/13FR(L)/20FR CARD SPACER        | 2        | PC   |
| <a href="#">410994</a> | RH-12/20FH POWER CABLE 1F-05UCBL-41      | 1        | PC   |
| <a href="#">415539</a> | RH-20FRH100XX INTERNAL HARNESS           | 1        | PC   |
| <a href="#">276679</a> | RH-1FHR BRAKE CABLE ASSY                 | 1        | PC   |
| <a href="#">415505</a> | RH-1FRHR INTERNAL HARNESS 2              | 1        | PC   |
| <a href="#">278372</a> | RV-7FRLL/13FR(L)/20FR COVER CONBOX       | 1        | PC   |
| <a href="#">262833</a> | RH-12/20FRH COVER ADD                    | 1        | PC   |
| <a href="#">262682</a> | RH-12/20FRH COVER ARM NO2 B              | 1        | PC   |
| <a href="#">262683</a> | RH-12/20FRH COVER BASE R                 | 2        | PC   |
| 262684                 | RH-12/20FRH SUPPORT PLATE SET H          | 1        | PC   |
| 262685                 | RH-12/20FRH SUPPORT PLATE H              | 1        | PC   |
| 262686                 | RH-12/20FRH ROBOT PROTECTION SEAL C      | 1        | PC   |
| 262687                 | RH-12/20FRH ROBOT PROTECTION SEAL D      | 1        | PC   |
| 262698                 | RH-12/20FRH SUPPORT PLATE 100 SET        | 1        | PC   |
| 262690                 | RH-12FRH SUPPORT PLATE B                 | 1        | PC   |
| 262692                 | RH-12FRH ROBOT PROTECTION SEAL A         | 1        | PC   |
| 262693                 | RH-12FRH ROBOT PROTECTION SEAL B         | 1        | PC   |
| 276704                 | RV-5AS WASHER J3                         | 2        | PC   |
| 262700                 | RH-12/20FRH SUPPORT PLATE F SET          | 1        | PC   |
| 262701                 | RH-12/20FRH SUPPORT PLATE F              | 1        | PC   |
| 276699                 | RH-2FH RUBBER MOUNT                      | 1        | PC   |
| 262702                 | RH-12/20FRH ROBOT PREOTECTION SEAL E     | 1        | PC   |
| 276703                 | RH-2FH HEX SOCKET SCREW M5x8             | 1        | PC   |
| <a href="#">249965</a> | RH-12/20FRH DIRECTION NAMEPLATE J1       | 1        | PC   |
| 276681                 | RH-2FH BRAKE RELEASE MARK                | 1        | PC   |
| <a href="#">249967</a> | RH-12/20FRH ALIGNMENT MARK               | 6        | PC   |
| 237607                 | RH-12/20FRH CHARGING PART CAUTIONS NAMEP | 1        | PC   |
| 265338                 | RV-4/7FRL/M AIR PURGE MARK               | 1        | PC   |
| 237606                 | RH-12/20FRH EARTH NAMEPLATE              | 1        | PC   |
| 262692                 | RH-12FRH ROBOT PROTECTION SEAL A         | 1        | PC   |
| 262693                 | RH-12FRH ROBOT PROTECTION SEAL B         | 1        | PC   |
| 262686                 | RH-12/20FRH ROBOT PROTECTION SEAL C      | 1        | PC   |
| 262687                 | RH-12/20FRH ROBOT PROTECTION SEAL D      | 1        | PC   |
| 262702                 | RH-12/20FRH ROBOT PREOTECTION SEAL E     | 1        | PC   |
| <a href="#">134305</a> | LIQUID GASKET WHITE THREE BOND 1212      | 1        | PC   |
| 134302                 | GLUE 242 LOCTITE 250ml                   | 1        | PC   |
| 134304                 | ROBOT SILICONE GREASEG501 1KG            | 1        | PC   |
| 131243                 | Robot Grease 2,5Kg: MULTEMP PS No.2      | 1        | PC   |
| <a href="#">262718</a> | RH-12/20FH AIR JOINT                     | 1        | PC   |
| 237604                 | RH-12/20FRH COORDINATES DIRECTION MARK a | 1        | PC   |
| 237605                 | RH-12/20FRH COORDINATES DIRECTION MARK b | 1        | PC   |
| 262726                 | RH-20FRH ORIGIN JIG SET J4               | 1        | PC   |
| 262727                 | RH-20FRH ORIGIN JIG A J4                 | 1        | PC   |
| 262728                 | RH-20FRH ORIGIN JIG B J4                 | 1        | PC   |
| <a href="#">262729</a> | RH-20FRH ORIGIN JIG C J4                 | 1        | PC   |
| <a href="#">278403</a> | RV-5AS SAFETY SOCKET M4                  | 2        | PC   |
| <a href="#">262741</a> | RH-12/20FRH HEAT CONDUCTION SEAT J1      | 2        | PC   |
| <a href="#">262742</a> | RH-12/20FRH HEAT CONDUCTION SEAT J2      | 1        | PC   |

| Material               | Description                            | Quantity | Unit |
|------------------------|----------------------------------------|----------|------|
| 262743                 | RH-12/20FRH HEAT CONDUCTION SEAT J3    | 1        | PC   |
| <a href="#">262752</a> | RH-12/20FRH HEAT CONDUCTION SEAT J3B   | 1        | PC   |
| <a href="#">415540</a> | RH-12/20FRH BALL SCREW 350             | 1        | PC   |
| <a href="#">262636</a> | RH-12/20FH BALL SPLINE 350             | 1        | PC   |
| 237886                 | CR1D BUSH CE-012, L=0.18M 114-18       | 1        | PC   |
| <a href="#">602876</a> | CR800 PCB CPU DQ171D                   | 1        | 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="#">405790</a> | CR800 PCB OPTIONAL SLOT DQ332A         | 1        | PC   |
| <a href="#">405791</a> | CR800 PCB CONVERTER DQ801A             | 1        | PC   |
| <a href="#">405799</a> | CR800 PCB INV. DQ849A RH-12FRH/20FHR   | 1        | PC   |
| <a href="#">405801</a> | CR800 POWER SUPPLY UNTIL RV-7FR/RH20FR | 2        | 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="#">262774</a> | NARC 750 FILTER DUST                   | 1        | PC   |
| <a href="#">405806</a> | CR800 FUSE HOLDER                      | 2        | PC   |
| 220184                 | CR2D CR2Q OPTION COVER                 | 2        | PC   |
| <a href="#">405807</a> | CR800 OPTION CASE                      | 1        | PC   |
| <a href="#">405808</a> | CR800 CABLE BK0FA1078H01               | 1        | PC   |
| 220243                 | CR800 RUBBER MOUNT KG-010              | 7        | PC   |
| <a href="#">220273</a> | CR800 TB CONNECTOR                     | 1        | PC   |
| <a href="#">262774</a> | NARC 750 FILTER DUST                   | 1        | PC   |
| <a href="#">405809</a> | CR800 CABLE BK0FA1078H02               | 1        | PC   |
| <a href="#">220304</a> | CR800 SPACER MPS-08-0                  | 1        | PC   |
| <a href="#">405810</a> | CR800 CABLE BK0FA1078H03               | 1        | PC   |
| 220314                 | CR2D CR2Q CABLE GUIDE WS-1NS           | 8        | PC   |
| <a href="#">237852</a> | CR800 SEAL ATT. (ELECTRIFIC.) 114-406  | 1        | PC   |
| <a href="#">405814</a> | CR800 ACIN CABLE BK0FA1006H53          | 1        | PC   |
| <a href="#">405811</a> | CR800 CABLE BK0FA1078H04               | 2        | PC   |
| <a href="#">262786</a> | NARC 750/751 LOCK EDGING SADDLE        | 1        | PC   |
| <a href="#">405812</a> | CR800 CONNECTOR U794D030G51            | 1        | PC   |
| <a href="#">405813</a> | CR800 CONNECTOR U794D030G52            | 1        | PC   |
| <a href="#">405817</a> | CR800 FAN 1                            | 1        | PC   |
| <a href="#">64687</a>  | FUSE 1,6A                              | 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="#">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="#">153057</a> | 1S-VD01E-01<br>Robot Pneumatic single valve set incl. noise-inferior<br>Class 100100603: FA-Robot: Valve                              |
| <a href="#">153058</a> | 1S-VD02E-01<br>Robot Pneumatic double valve set incl. noise-inferior<br>Class 100100603: FA-Robot: Valve                              |
| <a href="#">153059</a> | 1S-VD03E-01<br>Robot Pneumatic triple valve set incl. noise-inferior<br>Class 100100603: FA-Robot: Valve                              |
| <a href="#">153062</a> | 1S-VD04E-01<br>Robot Pneumatic quadruple valve set incl. noise-inferior<br>Class 100100603: FA-Robot: Valve                           |
| <a href="#">214968</a> | R32TB<br>Robot Teaching Box; Narc controller (standard version)<br>Class 100100602: FA-Robot: Teachingbox                             |
| <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     |

| Material               | Description / Price List Text / Classification                                                                                     |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">250467</a> | 1F-GR60S-01<br>RH-FH Hand output cable<br>Class 100100605: FA-Robot: Cable                                                         |
| <a href="#">254395</a> | 1F-HC35C-02<br>RH-FH Hand input cable (1800 mm)<br>Class 100100605: FA-Robot: Cable                                                |
| <a href="#">254396</a> | 1F-HS604S-01<br>RH-12FH/20FH Internal Wiring/Piping set for hand (350mm Z-Stroke)<br>Class 100100607: FA-Robot: Other Option       |
| <a href="#">254397</a> | 1F-HS604S-02<br>RH-12FH/20FH Internal Wiring/Piping set for hand (450mm Z-Stroke)<br>Class 100100607: FA-Robot: Other Option       |
| 254398                 | 1F-UT-BOX-01<br>RH-12FH/20FH-12/20FRH External Wiring/Piping box<br>Class 100100607: FA-Robot: Other Option                        |
| 259885                 | 2D-TZ535<br>Network Interface for CompactCom module<br>Class 100100604: FA-Robot: Interface Card                                   |
| <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="#">269556</a> | 1N-ST0608C-01<br>Hand curl Tube with 6mm diameter<br>Class 100100606: FA-Robot: Tube                                               |
| <a href="#">271212</a> | 2F-YZ581<br>Encoder Distribution Unit for robot controller<br>Class 100100604: FA-Robot: Interface Card                            |
| <a href="#">273182</a> | RH-FH / RH-FRH Connector Set<br>RH-3/6/12/20F(R)H Hand connector set<br>Class 100100607: FA-Robot: Other Option                    |
| 273785                 | 1F-DH-02<br>RH-12/20FH 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                                    |
| <a href="#">313063</a> | 2F-DQ535<br>Network Interface for CompactCom module CC-Link IE Field 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="#">324560</a> | 2F-DQ535-CCIEF-SET<br>Network Interface SET CC-Link IE Field for CR800 Contr.<br>Class 100100604: FA-Robot: Interface Card         |

| Material               | Description / Price List Text / Classification                                                                                                         |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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="#">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="#">410994</a> | RH-12/20FH POWER CABLE 1F-05UCBL-41<br>Machine cable for CR800 controller, standard, 5m<br>Class 100100608: FA-Robot: Spare Part                       |
| <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                                              |