



## MATERIAL FACT SHEET

### 492799 RV-8CRL-D-S15

#### General Data

|                     |                          |
|---------------------|--------------------------|
| Product Hierarchy   | IAG25901                 |
|                     | ROBOT                    |
|                     | RV-8CRL-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/000000000000492799](https://mitsubishi-electric-eshop.mee.com/mee/FA_IA/EUR/en/p/000000000000492799)

#### FA-Robot: Robotssystem

|                            |                      |
|----------------------------|----------------------|
| Series                     | RV-CR SERIES         |
| Type                       | VERTICAL             |
| Payload (kg)               | 8                    |
| Max. Reach Radius (mm)     | 931                  |
| Environment specification  | STANDARD             |
| Controller Type            | CR800-D              |
| Cycle Time (s)             | 0,44                 |
| Speed (mm/s)               | 10500                |
| Repeatability (mm)         | 0,02                 |
| Installation Method        | FLOOR, CEILING, WALL |
| Protection Class           | IP65                 |
| Power Supply 1 Phase (VAC) | 200-230              |
| Power Consumption (VA)     | 2000                 |
| Operating Range J1 (deg)   | 340                  |
| Operating Range J2 (deg)   | 220                  |
| Operating Range J3 (deg)   | 165                  |
| Operating Range J4 (deg)   | 400                  |
| Operating Range J5 (deg)   | 240                  |
| Operating Range J6 (deg)   | 720                  |

#### Product Dimensions & Weight

|             |      |
|-------------|------|
| Width (mm)  | 280  |
| Height (mm) | 1020 |
| Depth (mm)  | 865  |
| Weight (kg) | 41   |

#### Logistic Dimensions & Gross Weight

|                   |         |
|-------------------|---------|
| Length (cm)       | 74,0    |
| Width (cm)        | 65,0    |
| Height (cm)       | 123,0   |
| Gross Weight (kg) | 83,000  |
| Volume (cdm)      | 591,630 |

#### Stock Data

|                              |     |
|------------------------------|-----|
| Planned Delivery Time (Days) | 106 |
|------------------------------|-----|

#### Life Cycle

|             |                |
|-------------|----------------|
| Sales Start | 29.10.2019     |
| Predecessor | No Predecessor |

#### Additional Product Information

|                  |                             |
|------------------|-----------------------------|
| Battery included | YES - CHECK SPARE PART LIST |
|------------------|-----------------------------|

#### Export Data

|                               |            |
|-------------------------------|------------|
| Commodity Code                | 84795000   |
| 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="#">101-80-4</a>  |
| REACH Substance CAS Number (2) | <a href="#">1303-86-2</a> |
| REACH Substance CAS Number (3) | <a href="#">556-67-2</a>  |
| REACH Substance CAS Number (4) | <a href="#">7439-92-1</a> |
| REACH Substance CAS Number (5) | <a href="#">80-05-7</a>   |
| REACH Substance CAS Number (6) | <a href="#">872-50-4</a>  |
| Dangerous Goods Class          | 9                         |
| Dangerous Goods Identifier     | UN3091                    |
| 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-8CRL-D-S15&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=bltdae25c2bd5f2ff94&amp;q=RV-8CRL-D-S15&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-8CRL-D-S15&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt8050dd1408c11cc2&amp;q=RV-8CRL-D-S15&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-8CRL-D-S15&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt26ecc97a31a841c1&amp;q=RV-8CRL-D-S15&amp;doc-lang=en</a> |

### Product Packaging

|                   |        |
|-------------------|--------|
| Cardboard (g)     | 10000  |
| Other paper (g)   | 0      |
| Aluminum (g)      | 0      |
| Steel (g)         | 70     |
| Styrofoam (g)     | 0      |
| Other plastic (g) | 108,66 |
| Wood (g)          | 0      |
| Glass (g)         | 0      |
| Others (g)        | 0      |

### Spare parts

| Material               | Description                              | Quantity | Unit |
|------------------------|------------------------------------------|----------|------|
| <a href="#">415509</a> | RH-3/6FRH CROSS ROLLER BEARING J4        | 1        | PC   |
| <a href="#">237502</a> | RV-8CRL CROSS ROLLER BEARING             | 1        | PC   |
| 237504                 | RV-8CRL BALL BEARING 638ZZ1              | 2        | PC   |
| <a href="#">164945</a> | RV-3SB/3SJB BALL BEARING 687MC3          | 1        | PC   |
| <a href="#">154921</a> | RV-6S/SL BEARING 688AZZ1                 | 1        | PC   |
| <a href="#">415463</a> | RV/RH-FR BALL BEARING 6809ZZ             | 1        | PC   |
| <a href="#">580822</a> | RV-8CRL TIMING BELT J5                   | 1        | PC   |
| <a href="#">580823</a> | RV-8CRL TIMING BELT J4                   | 1        | PC   |
| <a href="#">580824</a> | RV-8CRL PULLEY J4,J5                     | 2        | PC   |
| <a href="#">580825</a> | RV-8CRL INTERNAL HARNESS                 | 1        | PC   |
| <a href="#">580826</a> | RV-8CRL MACHINE HARNESS(POWER/SIGNAL)    | 1        | PC   |
| <a href="#">580827</a> | RV-8CRL CONNECTOR U229D964G51            | 1        | PC   |
| <a href="#">415321</a> | RV-FR INTERNAL PCB DQ006                 | 1        | PC   |
| <a href="#">580828</a> | RV-8CRL CONNECTOR U229D965G51            | 1        | PC   |
| <a href="#">237484</a> | RV-8CRL BATTERY CABLE ASSY               | 1        | PC   |
| <a href="#">131168</a> | ER6 BAT                                  | 1        | PC   |
| <a href="#">265258</a> | RV-8CHR BATTERY HOLDER                   | 1        | PC   |
| 278335                 | RV-7FRLL/13FR(L)/20FR CARD SPACER        | 2        | PC   |
| <a href="#">317001</a> | RH-3/6CH/CRH AIR JOINT KQ2E06-00NJ       | 4        | PC   |
| <a href="#">237529</a> | RV-2FR(L)/FR(L)B OILSEAL J5,J6           | 2        | PC   |
| <a href="#">317011</a> | RH-3/6CH/CRH STOPPER COLLAR(M8)          | 1        | PC   |
| <a href="#">278359</a> | RV-8CRL STOPPER A                        | 4        | PC   |
| <a href="#">580829</a> | RV-8CRL CABLE CLAMP NK-9N                | 1        | PC   |
| <a href="#">580830</a> | RV-8CRL CABLE CLAMP AL5                  | 2        | PC   |
| <a href="#">237585</a> | RV-8CRL LOW HEAD CAP SCREW SSH-EL-M6     | 12       | PC   |
| <a href="#">237540</a> | RV-5AS-D SEAL WASHER(M6)                 | 12       | PC   |
| <a href="#">131350</a> | RP-1/3/5AH C SNAPRING 8                  | 2        | PC   |
| <a href="#">580831</a> | RV-8CRL SPACER                           | 3        | PC   |
| <a href="#">249985</a> | RH-13F/20F/7FLL TAPER SCREW SUS ANA R1/8 | 1        | PC   |
| 164975                 | RH-12/20FRH PARALLEL PIN H74x8           | 2        | PC   |

| Material               | Description                              | Quantity | Unit |
|------------------------|------------------------------------------|----------|------|
| 164976                 | RV-8CRL PARALLEL PIN H73x6               | 2        | PC   |
| <a href="#">580832</a> | RV-8CRL PIN HEIKOO H7-6X12               | 2        | PC   |
| 250016                 | RV-8CRL PACKING                          | 1        | 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   |
| 237636                 | RV-5AS-D DIRECTION MARK                  | 1        | PC   |
| 237602                 | RH-3CH/6CH/6CRH ALIGNMENT MARK (MINI)    | 1        | PC   |
| <a href="#">317021</a> | RV-8CRL CONNECTOR 17JE                   | 2        | PC   |
| <a href="#">237583</a> | RH-12/20FRH GREASE NIPPLE WA610 NYLON    | 1        | PC   |
| 134302                 | GLUE 242 LOCTITE 250ml                   | 1        | PC   |
| <a href="#">580833</a> | RV-8CRL O RING J6                        | 1        | PC   |
| <a href="#">580711</a> | RV-8CRL MOTOR SET J1                     | 1        | PC   |
| <a href="#">316998</a> | RH-6CH/CRH O RING 88.62X1.78             | 1        | PC   |
| <a href="#">580812</a> | RV-8CRL MOTOR SET J2                     | 1        | PC   |
| <a href="#">580813</a> | RV-8CRL MOTOR SET J3                     | 1        | PC   |
| <a href="#">317000</a> | RH-3CH/CRH O RING 64x1.5                 | 1        | PC   |
| <a href="#">580814</a> | RV-8CRL MOTOR SET J4/J5                  | 1        | PC   |
| <a href="#">588245</a> | RV-5AS-D AC SERVO MOTOR J4 J5            | 1        | PC   |
| <a href="#">580815</a> | RV-8CRL MOTOR SET J6                     | 1        | PC   |
| <a href="#">317000</a> | RH-3CH/CRH O RING 64x1.5                 | 1        | PC   |
| <a href="#">580816</a> | RV-8CRL HARMONIC DRIVE SET J1            | 1        | PC   |
| <a href="#">316998</a> | RH-6CH/CRH O RING 88.62X1.78             | 1        | PC   |
| <a href="#">317000</a> | RH-3CH/CRH O RING 64x1.5                 | 1        | PC   |
| 167999                 | RV-8CRL HARMONIC DRIVE J2                | 1        | PC   |
| <a href="#">316998</a> | RH-6CH/CRH O RING 88.62X1.78             | 1        | PC   |
| <a href="#">580817</a> | RV-8CRL HARMONIC DRIVE SET J3            | 1        | PC   |
| <a href="#">316998</a> | RH-6CH/CRH O RING 88.62X1.78             | 1        | PC   |
| <a href="#">317000</a> | RH-3CH/CRH O RING 64x1.5                 | 1        | PC   |
| <a href="#">580818</a> | RV-8CRL HARMONIC DRIVE ASSY J4           | 1        | PC   |
| <a href="#">580819</a> | RV-8CRL MACHINED PART J5                 | 1        | PC   |
| 154916                 | RV-6S/SL HARMONIC DRIVE J5               | 1        | PC   |
| <a href="#">580820</a> | RV-8CRL BALL BEARING J5                  | 1        | PC   |
| <a href="#">580831</a> | RV-8CRL SPACER                           | 1        | PC   |
| <a href="#">317000</a> | RH-3CH/CRH O RING 64x1.5                 | 1        | PC   |
| <a href="#">265197</a> | RV-8CRL HARMONIC DRIVE J6                | 1        | PC   |
| <a href="#">317000</a> | RH-3CH/CRH O RING 64x1.5                 | 1        | PC   |
| <a href="#">278404</a> | RV-8CRL SAFETY SOCKET M6                 | 4        | PC   |
| <a href="#">580834</a> | RV-8CRL ORIGIN SETTING TOOL              | 1        | PC   |
| <a href="#">580835</a> | RV-8CRL ORIGIN SETTING TOOL J6 SET       | 1        | PC   |
| 276702                 | RV-8CRL SAFETY SOCKET 2                  | 3        | PC   |
| <a href="#">580836</a> | RV-8CRL ASSEMBLY TOOL                    | 1        | PC   |
| <a href="#">580837</a> | RV-8CRL ASSEMBLY TOOL                    | 1        | 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="#">214968</a> | R32TB<br>Robot Teaching Box; Narc controller (standard version)<br>Class 100100602: FA-Robot: Teachingbox                             |
| <a href="#">218861</a> | 2D-TZ577<br>Robot option PROFIBUS interface-card<br>Class 100100604: FA-Robot: Interface Card                                         |
| <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="#">269546</a> | 2D-TZ535-PN-SET<br>Robot Network Interface Profinet IO<br>Class 100100604: FA-Robot: Interface Card                                   |
| <a href="#">282409</a> | 2D-TZ535-EIP-SET<br>Robot Network Interface EtherNet/IP<br>Class 100100604: FA-Robot: Interface Card                                  |

| Material               | Description / Price List Text / Classification                                                                                                         |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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="#">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="#">324560</a> | 2F-DQ535-CCIEF-SET<br>Network Interface SET CC-Link IE Field for CR800 Contr.<br>Class 100100604: FA-Robot: Interface Card                             |
| <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="#">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="#">486379</a> | 2F-DQ520<br>MELFA Smart Plus Card Pack AB-Type<br>Class 100100604: FA-Robot: Interface Card                                                            |
| <a href="#">486380</a> | 2F-DQ521<br>MELFA Smart Plus Card B-Type<br>Class 100100604: FA-Robot: Interface Card                                                                  |
| <a href="#">492800</a> | 1F-10UCBL-43<br>Machine cable for RV-8CRL/RV12-CRL and CR800 controller; standard; 10m<br>Class 100100605: FA-Robot: Cable                             |
| <a href="#">492801</a> | 1F-15UCBL-43<br>Machine cable for RV-8CRL/RV12-CRL and CR800 controller; standard; 15m<br>Class 100100605: FA-Robot: Cable                             |
| <a href="#">492892</a> | 1F-20UCBL-43<br>Machine cable for RV-8CRL/RV12-CRL and CR800 controller; standard; 20m<br>Class 100100605: FA-Robot: Cable                             |
| <a href="#">492893</a> | 1F-10LUCBL-43<br>Machine cable for RV-8CRL/RV12-CRL and CR800 controller; flexible; 10m<br>Class 100100605: FA-Robot: Cable                            |
| <a href="#">492894</a> | 1F-15LUCBL-43<br>Machine cable for RV-8CRL/RV12-CRL and CR800 controller; flexible; 15m<br>Class 100100605: FA-Robot: Cable                            |
| <a href="#">492895</a> | 1F-20LUCBL-43<br>Machine cable for RV-8CRL/RV12-CRL and CR800 controller; flexible; 20m<br>Class 100100605: FA-Robot: Cable                            |
| <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                                              |
| <a href="#">713770</a> | 1F-HC1000S-43<br>Hand input-output cable 1m with 15 inputs/ 15 outputs for RV-12CRL-D-S15<br>Class 100100605: FA-Robot: Cable                          |
| <a href="#">713771</a> | 1F-DH-42J1<br>Stopper for changing the J1 axis operating range for RV-12CRL-D-S15<br>Class 100100607: FA-Robot: Other Option                           |