



MATERIAL FACT SHEET

502852 RV-5AS-D

General Data

Product Hierarchy	IAG25801
	ROBOT
	RV-5AS-D
Ext. Material Group	10 STANDARD ITEM
ABC Indicator	A (Available from Stock)

e-shop: https://mitsubishi-electric-eshop.mee.com/mee/FA_I/A/EUR/en/p/000000000000502852

FA-Robot: Robotssystem

Series	ASSISTA
Type	COLLABORATIVE
Payload (kg)	5
Max. Reach Radius (mm)	910
Environment specification	STANDARD/FOOD
Controller Type	CR800
Cycle Time (s)	-
Speed (mm/s)	1000
Repeatability (mm)	0,03
Installation Method	FLOOR, CEILING
Protection Class	IP54
Power Supply 1 Phase (VAC)	200-230
Power Consumption (VA)	-
Operating Range J1 (deg)	480
Operating Range J2 (deg)	296
Operating Range J3 (deg)	300
Operating Range J4 (deg)	400
Operating Range J5 (deg)	240
Operating Range J6 (deg)	400

Product Dimensions & Weight

Width (mm)	318
Height (mm)	734
Depth (mm)	899
Weight (kg)	32

Logistic Dimensions & Gross Weight

Length (cm)	138,0
Width (cm)	69,0
Height (cm)	122,0
Gross Weight (kg)	104,000
Volume (cdm)	1.161,684

Stock Data

Planned Delivery Time (Days)	134
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Life Cycle

Sales Start	28.04.2020
Predecessor	No Predecessor

Additional Product Information

Battery included	YES - CHECK SPARE PART LIST
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Export Data

Legal Control (Dual Use List)	Not Listed
Country of Origin	Japan (JP)

Preference Status (Supplier Declaration)	Non EU
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Environmental

Dangerous Goods Class	9
Dangerous Goods Identifier	UN3091
WEEE	B2B

Conformity

CE	COMPLIANT
UKCA	COMPLIANT

Documentation & Media Data

Manual URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=bltdae25c2bd5f2ff94&q=RV-5AS-D&doc-lang=en
Certificates URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt8050dd1408c11cc2&q=RV-5AS-D&doc-lang=en
CAD URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt26ecc97a31a841c1&q=RV-5AS-D&doc-lang=en

Product Packaging

Cardboard (g)	8000
Other paper (g)	0
Aluminum (g)	0
Steel (g)	0
Styrofoam (g)	0
Other plastic (g)	30
Wood (g)	0
Glass (g)	0
Others (g)	0

Spare parts

Material	Description	Quantity	Unit
588245	RV-5AS-D AC SERVO MOTOR J4 J5	1	PC
588246	RV-5AS-D AC SERVO MOTOR J6	1	PC
588129	RV-5AS-D HARMONIC DRIVE J5	1	PC
265197	RV-8CRL HARMONIC DRIVE J6	1	PC
237502	RV-8CRL CROSS ROLLER BEARING	1	PC
164945	RV-3SB/3SJB BALL BEARING 687MC3	2	PC
265209	RV-5AS-D BALL BEARING F608ZZ	1	PC
265210	RH-3CH/6CH/6CRH BALL BEARING 6805DDU	1	PC
249950	RV-5AS-D BALL BEARING 6805ZZ	1	PC
130880	RP-1AH BALL BEARING 697ZZ	1	PC
265215	RV-5AS-D TIMING PULLEY J5	1	PC
588213	RV-5AS-D PULLEY J5	1	PC
262591	RH-1FHR TIMING PULLEY J4A	1	PC
237515	RV-2FR(L)/FR(L)B PULLEY 6 P30-3GT-4-33	1	PC
588214	RV-5AS-D TIMING BELT J5	1	PC
588215	RV-5AS-D TIMING BELT J6	1	PC
237529	RV-2FR(L)/FR(L)B OILSEAL J5,J6	1	PC
131168	ER6 BAT	1	PC
164951	RH-6CRHK O-RING CO0539A (S53)	1	PC
154939	RV-6S/SL O RING CO 0503A	1	PC
588218	RV-5AS-D O RING J6 CO00025A	1	PC
237532	RV-5AS-D O RING CO 0516A	1	PC
588219	RV-5AS-D O RING J6 CO0542A	1	PC
588220	RV-5AS-D INTERNAL PCB DQ395B	1	PC
588221	RV-5AS-D INTERNAL PCB DQ291	1	PC
588222	RV-5AS-D INTERNAL PCB DQ335	1	PC
588223	RV-5AS-D INTERNAL PCB J5	1	PC
262823	RH-12/20FRH V-SEAL J2 VR100A	1	PC
276659	RV-5AS PLUG	4	PC
588225	RV-5AS-D INTERNAL HARNESS	1	PC
410994	RH-12/20FH POWER CABLE 1F-05UCBL-41	1	PC
588226	RV-5AS-D HARMONIC DRIVE J1 J3	1	PC
588243	RV-5AS-D AC SERVO MOTOR J1 J2	1	PC
262649	RH-12/20FRH TIMING PULLEY J3A	1	PC
588227	RV-5AS-D PULLEY J1 J2 J3	1	PC
415535	RH-12FRH TIMING BELT J3	1	PC
588228	RV-5AS-D LOW SPEED PIPE J1 J2 J3	1	PC
588232	RV-5AS-D BUSH J1J2J3	1	PC

Material	Description	Quantity	Unit
155856	RV-12SL O-RING CO551A (S90)	1	PC
588230	RV-5AS-D HARMONIC DRIVE J2	1	PC
588243	RV-5AS-D AC SERVO MOTOR J1 J2	1	PC
262649	RH-12/20FRH TIMING PULLEY J3A	1	PC
588227	RV-5AS-D PULLEY J1 J2 J3	1	PC
415535	RH-12FRH TIMING BELT J3	1	PC
588228	RV-5AS-D LOW SPEED PIPE J1 J2 J3	1	PC
588232	RV-5AS-D BUSH J1J2J3	1	PC
155856	RV-12SL O-RING CO551A (S90)	1	PC
588226	RV-5AS-D HARMONIC DRIVE J1 J3	1	PC
588244	RV-5AS-D AC SERVO MOTOR J3	1	PC
588233	RV-5AS-D PULLEY J3	1	PC
588227	RV-5AS-D PULLEY J1 J2 J3	1	PC
588234	RV-5AS-D TIMING BELT J3	1	PC
588228	RV-5AS-D LOW SPEED PIPE J1 J2 J3	1	PC
588232	RV-5AS-D BUSH J1J2J3	1	PC
155856	RV-12SL O-RING CO551A (S90)	1	PC
276702	RV-8CRL SAFETY SOCKET 2	4	PC
278403	RV-5AS SAFETY SOCKET M4	4	PC
276704	RV-5AS WASHER J3	2	PC
588235	RV-5AS-D HARMONIC DRIVE J4	1	PC
588245	RV-5AS-D AC SERVO MOTOR J4 J5	1	PC
265215	RV-5AS-D TIMING PULLEY J5	1	PC
588236	RV-5AS-D PULLEY J4	1	PC
588237	RV-5AS-D TIMING BELT J4	1	PC
588238	RV-5AS-D LOW SPEED PIPE J4	1	PC
588239	RV-5AS-D BUSH J4	1	PC
588240	RV-5AS-D O RING J4 CO0548A	1	PC
278403	RV-5AS SAFETY SOCKET M4	6	PC
276704	RV-5AS WASHER J3	4	PC
589206	RV-5AS-D WASHER J3	12	PC
588242	RV-5AS-D ORIGIN SETTING TOOL J6	1	PC
278399	RV-5AS EJECTOR PIN	1	PC
609176	RV-5AS-D ARM COVER J1	1	PC
609177	RV-5AS-D ARM COVER J3	2	PC
609178	RV-5AS-D ARM COVER J5L	1	PC
609179	RV-5AS-D ARM COVER J5R	1	PC
609180	RV-5AS-D ARM COVER J6A	1	PC
609181	RV-5AS-D ARM COVER J6B	1	PC
609202	RV-5AS-D ARM COVER J5	1	PC
683232	RV-5AS HAND CABLE	1	PC

Compatible products

Material	Description / Price List Text / Classification
47387	2A-CBL05 I/O-port cable with connector; 5 m Class 100100605: FA-Robot: Cable
59947	2A-CBL15 Robot option I/O-port cable with connector; 15 m Class 100100605: FA-Robot: Cable
160229	MR-J3USBCBL3M USB PC Communication cable 3m Class 100100508: FA-Servo-Motion: Cable
204294	R56TB/R57TB/R46TB Wall Mount Robot option R56TB,R57TB and R46TB Wall mount Class 100100607: FA-Robot: Other Option
214968	R32TB Robot Teaching Box; Narc controller (standard version) Class 100100602: FA-Robot: Teachingbox
218857	2D-CBL05 Robot option I/O-port cable with connector; 5 m Class 100100605: FA-Robot: Cable
218858	2D-CBL15 Robot option I/O-port cable with connector; 15 m Class 100100605: FA-Robot: Cable
218861	2D-TZ577 Robot option PROFIBUS interface-card Class 100100604: FA-Robot: Interface Card

Material	Description / Price List Text / Classification
218862	2D-TZ378 Robot option I/O-Interface: 32 inputs /32 Outputs (internal I/O's expansion) Class 100100604: FA-Robot: Interface Card
219063	2D-TZ576 Robot option CC-Link-Interface-card Class 100100604: FA-Robot: Interface Card
225756	R32TB-15 Teaching box R32TB with 7 lines display and 15m cable length Class 100100602: FA-Robot: Teachingbox
250470	1F-VD01E-01 RH-FH Pneumatic single valve set incl. noise-inferior Class 100100603: FA-Robot: Valve
250471	1F-VD02E-01 RH-FH Pneumatic double valve set incl. noise-inferior Class 100100603: FA-Robot: Valve
269546	2D-TZ535-PN-SET Robot Network Interface Profinet IO Class 100100604: FA-Robot: Interface Card
274317	R32TB Wall Mount Robot option R32TB and R33TB Wall mount Class 100100607: FA-Robot: Other Option
282409	2D-TZ535-EIP-SET Robot Network Interface EtherNet/IP Class 100100604: FA-Robot: Interface Card
313062	CR800-MB Protection Box IP54 for CR800 Controller Class 100100607: FA-Robot: Other Option
313064	4F-FS002H-W200 Force Sensor Set 200N incl. Interface unit (2F-DQ561) for FR Series Class 100100607: FA-Robot: Other Option
313106	1F-10UCBL-41 Machine cable for CR800 controller, standard, 10m Class 100100605: FA-Robot: Cable
313107	1F-15UCBL-41 Machine cable for CR800 controller, standard, 15m Class 100100605: FA-Robot: Cable
324560	2F-DQ535-CCIEF-SET Network Interface SET CC-Link IE Field for CR800 Contr. Class 100100604: FA-Robot: Interface Card
324579	RT ToolBox3 Standard Robot programming and simulation Software, Windows 10/11; USB Class 100101206: FA-Software: Software Robot
324580	RT ToolBox3 Pro Robot programming and simulation Software incl. MELFA-Works, Windows 10/11 Class 100101206: FA-Software: Software Robot
325730	1F-02UCBL-41 Machine cable for CR800 controller, standard, 2m Class 100100605: FA-Robot: Cable
327863	1F-20UCBL-41 Machine cable for CR800 controller, standard, 20m Class 100100605: FA-Robot: Cable
334232	RT ToolBox3 Standard UPGRADE Robot programming and simulation Software, Windows 10/11, Upgrade; USB Class 100101206: FA-Software: Software Robot
504043	1F-ASSISTA-ADCBL MELFA ASSISTA Force sensor conversion cable set Class 100100605: FA-Robot: Cable
504044	1F-ASSISTA-2DVSFLG MELFA ASSISTA Vision sensor mounting bracket Class 100100607: FA-Robot: Other Option
603944	4F-SF003-05 Safety option unit MELFA SafePlus II Slim for CR800 Controller Class 100100604: FA-Robot: Interface Card
687249	R86TB Robot Teaching Box with 10,1" (Colour / Touch version) Class 100100602: FA-Robot: Teachingbox