

MATERIAL FACT SHEET

713769 RV-12CRL-D-S15

General Data

Product Hierarchy	IAG25903
	ROBOT
	RV-12CRL-D
Ext. Material Group	10 STANDARD ITEM
ABC Indicator	A (Available from Stock)

e-shop: <https://emea.mitsubishielectric.com/fa/shop/material-page/000000000000713769>

FA-Robot: Robotssystem

Series	RV-CR SERIES
Type	VERTICAL
Payload (kg)	12
Max. Reach Radius (mm)	1504
Environment specification	STANDARD
Controller Type	CR800-12CVD
Cycle Time (s)	0,38
Speed (mm/s)	10500
Repeatability (mm)	0,04
Installation Method	FLOOR, CEILING
Protection Class	IP65
Power Supply (VAC)	1PHASE 230V
Power Supply (VAC) (2)	3PHASE 200-230V
Power Consumption (VA)	3000
Operating Range J1 (deg)	340
Operating Range J2 (deg)	240
Operating Range J3 (deg)	170
Operating Range J4 (deg)	380
Operating Range J5 (deg)	240
Operating Range J6 (deg)	720

Product Dimensions & Weight

Width (mm)	480
Height (mm)	1274
Depth (mm)	1380
Weight (kg)	110

Logistic Dimensions & Gross Weight

Length (cm)	160,0
Width (cm)	80,0
Height (cm)	120,0
Gross Weight (kg)	166,000
Volume (cdm)	1.536,000

Stock Data

Planned Delivery Time (Days)	122
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Life Cycle

Sales Start	15.04.2024
Predecessor	No Predecessor

Additional Product Information

Binding Tariff Information	DEBTI-1027/26-1
BTI validity date	12.02.2029
Battery included	YES - CHECK SPARE PART LIST
Product Code	INDUSTRIAL ROBOTS

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	-
REACH Substance CAS Number (2)	108-78-1
REACH Substance CAS Number (3)	119-47-1
REACH Substance CAS Number (4)	119313-12-1
REACH Substance CAS Number (5)	119344-86-4
REACH Substance CAS Number (6)	12060-00-3
REACH Substance CAS Number (7)	127-19-5
REACH Substance CAS Number (8)	1303-86-2
REACH Substance CAS Number (9)	13560-89-9
REACH Substance CAS Number (10)	3147-75-9
REACH Substance CAS Number (11)	540-97-6
REACH Substance CAS Number (12)	541-02-6
REACH Substance CAS Number (13)	556-67-2
REACH Substance CAS Number (14)	71868-10-5
REACH Substance CAS Number (15)	7439-92-1
REACH Substance CAS Number (16)	79-94-7
REACH Substance CAS Number (17)	80-05-7
REACH Substance CAS Number (18)	80-43-3
REACH Substance CAS Number (19)	85-42-7
REACH Substance CAS Number (20)	96-45-7
Dangerous Goods Class	NO
Dangerous Goods Identifier	NO
RoHS Compliance	COMPLIANT
WEEE	B2B

Conformity

CE	COMPLIANT
EAC	NON-COMPLIANT

Documentation & Media Data

Manual URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=bltdae25c2bd5f2ff94&q=RV-12CRL-D-S15&doc-lang=en
Certificates URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt8050dd1408c11cc2&q=RV-12CRL-D-S15&doc-lang=en
CAD URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt26ecc97a31a841c1&q=RV-12CRL-D-S15&doc-lang=en

Product Packaging

Cardboard (g)	10.318
Other paper (g)	0
Aluminum (g)	0
Steel (g)	0
Styrofoam (g)	0
Other plastic (g)	698
Wood (g)	22.100
Glass (g)	0
Others (g)	272

Spare parts

Material	Description	Quantity	Unit
719086	RV-12CRL Motor J6	1	PC
719085	RV-12CRL Motor J4	1	PC
719084	RV-12CRL Motor J3	1	PC
719082	RV-12CRL Motor J1	1	PC
719083	RV-12CRL Motor J2	1	PC
719468	RV-12CRL-D Gear J1	1	PC
719469	RV-12CRL-D Gear J2	1	PC
719470	RV-12CRL-D Gear J3	1	PC
719471	RV-12CRL-D Gear J4	1	PC
719472	RV-12CRL-D Gear J5	1	PC
719473	RV-12CRL-D Gear J6	1	PC

Material	Description	Quantity	Unit
719453	RV-12CRL-D Felt J1	2	PC
719454	RV-12CRL-D Felt J2	2	PC
719455	RV-12CRL-D Felt J3	1	PC
719456	RV-12CRL-D Felt J4	1	PC
719457	RV-12CRL-D Felt J5	1	PC
719458	RV-12CRL-D Felt J6	1	PC
720096	RV-12CRL-D O-Ring J5	1	PC
720098	RV-12CRL-D O-Ring J6/RV8-CRL J4/5/6	1	PC
720101	RV-12CRL-D O-Ring J3	1	PC
720102	RV-12CRL-D O-Ring J6	1	PC
720105	RV-12CRL-D O-Ring J6	1	PC
720099	RV-12CRL-D O-Ring J4/J5/RV8-CRL J1/3	2	PC
720100	RV-12CRL-D O-Ring J1/J3/RV8-CRL J2/4	2	PC
720103	RV-12CRL-D O-Ring J1	2	PC
720104	RV-12CRL-D O-Ring J3	2	PC
720097	RV-12CRL-D O-Ring J1/J2/ RV-8CRL J2	3	PC
720664	RV-12CRL-D STOPPER J1	1	PC
720665	RV-12CRL-D STOPPER J2	2	PC
131168	ER6 BAT	1	PC
740815	RV-12CRL-D Cover J4 right side	1	PC
740816	RV-12CRL-D Base cover J1	1	PC
740817	RV-12CRL-D Cover J2 left side	1	PC
740818	RV-12CRL-D Cover J2 right side	1	PC
740819	RV-12CRL-D Cover J2 bottom	1	PC
740820	RV-12CRL-D Cover J3 left side	1	PC
740821	RV-12CRL-D Cover J3 right side	1	PC
740822	RV-12CRL-D Cover J3 Back	1	PC
740823	RV-12CRL-D Cover J4 left side	1	PC
740824	RV-12CRL-D Wrist Cover J5	1	PC
736495	RV-12CRL-D LABEL	1	PC
718576	RV-12CRL-D Timing Belt J5	1	PC
718572	RV-12CRL-D CROSS ROLLER BEARING	1	PC
712763	RV-8CRL / RV-12SL BALL BEARING	2	PC

Compatible products

Material	Description / Price List Text / Classification
124658	2A-RZ371 Robot option I/O-Interface 32 inputs /32 Outputs (decentral I/O's) type 2A-RZ371 Class 100100604: FA-Robot: Interface Card
214968	R32TB Robot Teaching Box R32TB; Narc controller (standard version) Class 100100602: FA-Robot: Teachingbox
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
232808	2D-TZ368 Robot option E/A-Interface: 32 inputs /32 Outputs SINK (internal I/O's) Class 100100604: FA-Robot: Interface Card
313061	4F-SF002-01 Safety option unit MELFA SafePlus for CR800 Controller Class 100100604: FA-Robot: Interface Card
313062	CR800-MB Protection Box IP54 for CR800 Controller CR800-MB Class 100100607: FA-Robot: Other Option
313063	2F-DQ535 Network Interface for CompactCom module CC-Link IE Filed AB6709 Class 100100604: FA-Robot: Interface Card
313064	4F-FS002H-W200 Force Sensor Set 200N incl. Interface unit (2F-DQ561) for FR Series 4F-FS002H-W2 Class 100100607: FA-Robot: Other Option
313105	4F-FS002H-W1000 Force Sensor Set 1000N incl. Interface unit (2F-DQ561) for FR Series 4F-FS002H-W Class 100100607: FA-Robot: Other Option

Material	Description / Price List Text / Classification
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 1L-USB Robot Programming/Simulation Software, Win10/11, 1 Licence USB Class 100101206: FA-Software: Software Robot
324580	RT ToolBox3 Pro 1L-USB Robot Programming/Simulation Software, MELFA-Works, Win10/11, 1 Licence USB Class 100101206: FA-Software: Software Robot
413963	2F-DQ535-ECT-SET Network Interface SET EtherCAT for CR800 Contr. Class 100100604: FA-Robot: Interface Card
492800	1F-10UCBL-43 Machine cable for RV-8CRL/RV12-CRL and CR800 controller; standard; 10m Class 100100605: FA-Robot: Cable
492801	1F-15UCBL-43 Machine cable for RV-8CRL/RV12-CRL and CR800 controller; standard; 15m Class 100100605: FA-Robot: Cable
492892	1F-20UCBL-43 Machine cable for RV-8CRL/RV12-CRL and CR800 controller; standard; 20m Class 100100605: FA-Robot: Cable
492893	1F-10LUCBL-43 Machine cable for RV-8CRL/RV12-CRL and CR800 controller; flexible; 10m Class 100100605: FA-Robot: Cable
492894	1F-15LUCBL-43 Machine cable for RV-8CRL/RV12-CRL and CR800 controller; flexible; 15m Class 100100605: FA-Robot: Cable
492895	1F-20LUCBL-43 Machine cable for RV-8CRL/RV12-CRL and CR800 controller; flexible; 20m Class 100100605: FA-Robot: Cable
687249	R86TB Robot Teaching Box with 10,1" (Colour / Touch version) Class 100100602: FA-Robot: Teachingbox
713770	1F-HC1000S-43 Hand input-output cable 1m with 15 inputs/ 15 outputs for RV-12CRL-D-S15 Class 100100605: FA-Robot: Cable
713771	1F-DH-42J1 Stopper for changing the J1 axis operating range for RV-12CRL-D-S15 Class 100100607: FA-Robot: Other Option
736446	RT ToolBox3 Pro Robot Programming/Simulation Software, MELFA-Works, Win10/11, 1 Licence Email Class 100101206: FA-Software: Software Robot
736447	RT ToolBox3 Standard Robot Programming/Simulation Software, Win10/11, 1 Licence Email Class 100101206: FA-Software: Software Robot
751266	2F-DQ535-CCIETSN-SET Robot Network Interface SET CC-Link IE TSN for CR800 Contr. Class 100100604: FA-Robot: Interface Card
752992	2F-DQ535-PN-SET Robot Network Interface SET Profinet IO for CR800 Class 100100604: FA-Robot: Interface Card
752993	2F-DQ535-EIP-SET Robot Network Interface SET EtherNet/IP for CR800 Class 100100604: FA-Robot: Interface Card