

MATERIAL FACT SHEET

500837 RH-3CRH4018-D-S15

General Data

Product Hierarchy	IAG24601
	ROBOT
	RH-3CH-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/000000000000500837

FA-Robot: Robotssystem

Series	RH-CRH SERIES
Type	SCARA
Payload (kg)	3
Max. Reach Radius (mm)	400
Z Axis Stroke (mm)	180
Environment specification	STANDARD
Controller Type	CR800-CHD
Cycle Time (s)	0,44
Speed (mm/s)	7200
Repeatability (mm)	0,01
Installation Method	FLOOR
Protection Class	IP20
Power Supply 1 Phase (VAC)	200-230
Power Consumption (VA)	500
Operating Range J1 (deg)	264
Operating Range J2 (deg)	282
Operating Range J4 (deg)	720

Product Dimensions & Weight

Width (mm)	140
Height (mm)	511,5
Depth (mm)	580
Weight (kg)	14

Logistic Dimensions & Gross Weight

Length (cm)	91,0
Width (cm)	59,0
Height (cm)	70,0
Gross Weight (kg)	37,000
Volume (cdm)	375,830

Stock Data

Planned Delivery Time (Days)	106
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Life Cycle

Sales Start	12.03.2020
Predecessor	305138 / RH-3CH4018-1D1-S15

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

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=RH-3CRH4018-D-S15&doc-lang=en
CAD URL Indicator	X

Product Packaging

Cardboard (g)	9410
Other paper (g)	0
Aluminum (g)	0
Steel (g)	20
Styrofoam (g)	0
Other plastic (g)	451,17
Wood (g)	0
Glass (g)	0
Others (g)	20

Spare parts

Material	Description	Quantity	Unit
316975	RH-3/6CH/CRH MOTOR J1	1	PC
598367	RV-4F/7F MOTOR HG-KR13D-S920061	2	PC
316977	RH-3CH/CRH HARMONIC DRIVE J1 6CH/CRH J2	1	PC
316978	RH-3CH/CRH HARMONIC DRIVE J2	1	PC
316979	RH-3CH/CRH BALL SCREW SPLINE	1	PC
316981	RH-3CH/CRH CRB J1 6CH/CRH J2	1	PC
316982	RH-3CH/CRH CROSS ROLLER BEARING J2	1	PC
133738	RP-3/5AH BALL BEARING 6001ZZNR	2	PC
316984	RH-3/6CH/CRH TIMING PULLEY J3A	1	PC
316987	RH-3/6CH/CRH TIMING PULLEY J4A	1	PC
316988	RH-3/6CH/CRH TIMING PULLEY J4B	1	PC
316989	RH-3CH/CRH TIMING PULLEY J4C	1	PC
316991	RH-3CH/CRH TIMING PULLEY J4D	1	PC
317032	RH-3CH TIMING BELT J3	1	PC
316994	RH-3/6CH/CRH TIMING BELT J4A	1	PC
316995	RH-3CH/CRH TIMING BELT J4B	1	PC
262606	RH-3CH/6CH/6CRH OILSEAL KE16284	1	PC
316997	RH-3CH/CRH O RING OR-S75	1	PC
164951	RH-6CRHK O-RING CO0539A (S53)	1	PC
316999	RH-3/6CH/CRH O RING 72x2	2	PC
317000	RH-3CH/CRH O RING 64x1.5	2	PC
317001	RH-3/6CH/CRH AIR JOINT KQ2E06-00NJ	4	PC
317002	RH-3/6CH/CRH AIR JOINT KQ2E04-00NJ	2	PC
249983	RH-12/20FRH GROMMET C-30SG-16A-UL	1	PC
164980	RH-12/20FRH GREASE NIPPLE CAP	2	PC
317003	RH-3/6CH/CRH SPACER 17L-003C1	4	PC
164975	RH-12/20FRH PARALLEL PIN H74x8	1	PC
317004	RH-3/6CH/CRH FELT (J1)	1	PC
317008	RH-3CH/CRH RUBBER STOPPER Z	2	PC
317010	RH-3CH/CRH STOPPER COLLAR(M6)	2	PC
317011	RH-3/6CH/CRH STOPPER COLLAR(M8)	2	PC
131168	ER6 BAT	2	PC
265258	RV-8CHR BATTERY HOLDER	2	PC
317013	RH-3/6CH/CRH CABLE CLAMP AL6	1	PC
317014	RH-3CH INTERNAL CABLE ASSY	1	PC
317018	RH-3CH/6CH/CRH BRAKE MCN81.5	1	PC
317021	RV-8CRL CONNECTOR 17JE	2	PC
237604	RH-12/20FRH COORDINATES DIRECTION MARK a	1	PC
237605	RH-12/20FRH COORDINATES DIRECTION MARK b	1	PC
237607	RH-12/20FRH CHARGING PART CAUTIONS NAMEP	1	PC
134305	LIQUID GASKET WHITE THREE BOND 1212	1	PC
134302	GLUE 242 LOCTITE 250ml	1	PC

Material	Description	Quantity	Unit
599671	RH-6CRH INTERNAL PCB	1	PC
405788	CR800 PCB SERVO CPU DQ865B	1	PC
405790	CR800 PCB OPTIONAL SLOT DQ332A	1	PC
405791	CR800 PCB CONVERTER DQ801A	1	PC
405796	CR800 PCB INVERTER DQ842A FOR RH-3FRH	1	PC
405801	CR800 POWER SUPPLY UNTIL RV-7FR/RH20FR	2	PC
405803	CR800 NOISE FILTER UNTIL RV-7FR/RH20FR	1	PC
405805	CR800 FUSE 500SF-20UL	2	PC
405806	CR800 FUSE HOLDER	2	PC
220184	CR2D CR2Q OPTION COVER	2	PC
220273	CR800 TB CONNECTOR	1	PC
262774	NARC 750 FILTER DUST	1	PC
405809	CR800 CABLE BK0FA1078H02	1	PC
405810	CR800 CABLE BK0FA1078H03	1	PC
405811	CR800 CABLE BK0FA1078H04	2	PC
262786	NARC 750/751 LOCK EDGING SADDLE	1	PC
220243	CR800 RUBBER MOUNT KG-010	7	PC
220304	CR800 SPACER MPS-08-0	1	PC
237852	CR800 SEAL ATT. (ELECTRIFIC.) 114-406	1	PC
405812	CR800 CONNECTOR U794D030G51	1	PC
405813	CR800 CONNECTOR U794D030G52	1	PC
405814	CR800 ACIN CABLE BK0FA1006H53	1	PC
405817	CR800 FAN 1	1	PC
405818	CR800 FAN 2	1	PC
487082	CR800 CABLE U793C004G51	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
124658	2A-RZ371 Robot option I/O-Interface: 32 inputs /32 Outputs (decentral I/O's) Class 100100604: FA-Robot: Interface Card
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
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
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

Material	Description / Price List Text / Classification
282409	2D-TZ535-EIP-SET Robot Network Interface EtherNet/IP 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 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
313105	4F-FS002H-W1000 Force Sensor Set 1000N incl. Interface unit (2F-DQ561) for FR Series Class 100100607: FA-Robot: Other Option
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
325728	2F-DQ510 MELFA Smart Plus Card Pack A-Type Class 100100604: FA-Robot: Interface Card
325729	2F-DQ511 MELFA Smart Plus Card A-Type Class 100100604: FA-Robot: Interface Card
334232	RT ToolBox3 Standard UPGRADE Robot programming and simulation Software, Windows 10/11, Upgrade; USB Class 100101206: FA-Software: Software Robot
486379	2F-DQ520 MELFA Smart Plus Card Pack AB-Type Class 100100604: FA-Robot: Interface Card
486380	2F-DQ521 MELFA Smart Plus Card B-Type Class 100100604: FA-Robot: Interface Card
504046	1F-03UCBL-42 Machine cable for RH-CRH and CR800 controller, standard, 3m Class 100100605: FA-Robot: Cable
504047	1F-10UCBL-42 Machine cable for RH-CRH and CR800 controller, standard, 10m Class 100100605: FA-Robot: Cable
504048	1F-15UCBL-42 Machine cable for RH-CRH and CR800 controller, standard, 15m Class 100100605: FA-Robot: Cable
504049	1F-20UCBL-42 Machine cable for RH-CRH and CR800 controller, standard, 20m Class 100100605: FA-Robot: Cable
504050	1F-10LUCBL-42 Machine cable for RH-CRH and CR800 controller, high flexible, 10m Class 100100605: FA-Robot: Cable
504515	1F-15LUCBL-42 Machine cable for RH-CRH and CR800 controller, high flexible, 15m Class 100100605: FA-Robot: Cable
504516	1F-20LUCBL-42 Machine cable for RH-CRH and CR800 controller, high flexible, 20m Class 100100605: FA-Robot: Cable
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