

MORE information

Technical data CRX series

Specifications	CRX-5iA	CRX-10iA	CRX-10iA/L	CRX-20iA/L	CRX-25iA
Type	5	10	10	20	25
Controlled axes	6	6	6	6	6
Max. load capacity at wrist [kg]	5	10	10	20	25/30
Reach [mm] ^{*2)}	994	1,249	1,418	1,418	1,889
Repeatability [mm] ^{*5)}	±0.03	±0.04	±0.04	±0.04	±0.05
Mass [kg] ^{*6)}	25	40	40	41	135
Installation: floor upside down wall ^{*1)}	• • •	• • •	• • •	• • •	• • •
Motion range					
J1 axis rotation [°]	400	380	360	360	360
J2 axis rotation [°]	360	360	360	360	360
J3 axis rotation [°]	635	570	540	540	540
J4 axis wrist rotation [°]	380	380	380	380	380
J5 axis wrist swing [°]	360	360	360	360	360
J6 axis wrist rotation [°]	450	450	450	450	450
Max. speed: Collaborative mode [mm / s] ^{*3)*4)}	1,000	1,000	1,000	1,000	1,000
Max. speed: High speed mode [mm / s] ^{*3)*4)}	2,000	2,000	2,000	1,000	2,000
Allowable load moment at wrist					
J4 axis [Nm]	19.0	34.8	34.8	70.0	100.0
J5 axis [Nm]	15.4	26.0	26.0	64.0	74.0
J6 axis [Nm]	6.7	11.0	11.0	30.0	32.0
Allowable load inertia at wrist					
J4 axis [kgm ²]	0.77	1.28	1.28	4.00	4.70
J5 axis [kgm ²]	0.50	0.90	0.90	4.00	4.00
J6 axis [kgm ²]	0.10	0.30	0.30	2.00	2.00
Installation environment					
Input power source [VAC]	100-120 200-240	100-120 200-240	100-120 200-240	100-120 200-240	100-120 200-240
Ambient operating temperature [°C]	0-45	0-45	0-45	0-45	0-45
Protection					
Body standard/optional	IP67	IP67	IP67	IP67	IP67
Wrist & J3 arm standard/optional	IP67	IP67	IP67	IP67	IP67

- standard
- *1) There is no limit of operating space for all installation types.
- *2) Reach specification is with respect to J6 axis center (i.e. at faceplate)
- *3) During short distance motions, the axis speed may not reach maximum value stated.
- *4) It is necessary to set a motion speed according to risk assesment of system.
- *5) Compliant with ISO9283.
- *6) Without Controller.

