

			RH-1FRHR5515-D	RH-1FRHR5515-R
Degrees of freedom (no. of axes)			4	4
Installation posture			On floor, ceiling mounting, wall mounting	
Structure			Horizontal articulated arm (SCARA)	
Drive system			AC servo	
Position detection method			Absolute encoder	
Brake attachment			Axes J1, J2, J4: no brake; axis J3: with brake	
Payload capacity	rated	kg	1	
	maximum		3	
Maximum reach		mm	550	
Operating range	J1	degree	±177	
	J2	degree	±145	
	J3 (Z)	mm	150	
	J4 (Θ axis)	degree	±360	
Maximum speed	J1	degree/s	337.5	
	J2	degree/s	720	
	J3 (Z)	mm/s	765	
	J4 (Θ axis)	degree/s	3000	
Maximum composite speed		mm/s	6267	
Cycle time (25x300x25 mm with 1 kg load)			sec	0.28
Allowable wrist moment of inertia	rated	kgm ²	0.005	
	maximum		0.005	
Position repeatability	X, Y direction	mm	±0.012	
	J3 (Z direction)	mm	±0.01	
	J4 (Θ axis)	degree	±0.004	
Ambient temperature		°C	0-40	
Weight		kg	49	
Tool wiring			Hand: 8 inputs/8 outputs, 8 signal cables	
Tool pneumatic pipes			Primary: Ø 6x2 (secondary: Ø 4x8 by option)	
Supply pneumatic pressure		MPa	5 ±10 % for the pneumatic gripper	
Protection rating			IP20 (IP65/ISO class 5 with additional bellows)	
Robot controller			CR800-D	CR800-R + R16RTCPU
Order information			Art. no.	
			312997	313601

				RH-3FRHR3515-D-S25	RH-3FRHR3515-R-S25
Degrees of freedom (no. of axes)				4	4
Installation posture				Overhead	
Structure				Horizontal multiple-joint type	
Drive system				AC servo	
Position detection method				Absolute encoder	
Brake attachment				Axes J1, J2, J4: no brake; axis J3: with brake	
Payload capacity	rated	kg	1		
	maximum		3		
Maximum reach	arm 1 + arm 2mm		350		
Operating range	J1	degree	450 (±225)		
	J2	degree	450 (±225)		
	J3 (Z)	mm	150		
	J4 (Θ axis)	degree	1440 (±720)		
Maximum speed	J1	degree/s	672		
	J2	degree/s	708		
	J3 (Z)	mm/s	1500		
	J4 (Θ axis)	degree/s	3146		
Maximum composite speed		mm/s	6267 (J1, J2)		
Cycle time (25x300x25 mm with 1 kg load)			sec	0.32	
Allowable wrist moment of inertia	rated	kgm ²	0.005		
	maximum		0.05		
Position repeatability	X, Y direction		mm	±0.01	
	J3 (Z direction)		mm	±0.01	
	J4 (Θ axis)		degree	±0.01	
Ambient temperature		°C	0–40		
Weight		kg	24		
Tool wiring				Input 8 points/output 8 points (option: output 8 points), 8 spare wires	
Tool pneumatic pipes				Primary: Ø 6x2 (secondary: Ø 4x8 by option)	
Supply pneumatic pressure			MPa	5 ±10 % for the pneumatic gripper	
Protection rating				IP20 (Optional IP65 and clean room model available)	
Robot controller				CR800-D	CR800-R + R16RTCPU
Order information		Art. no.	312988	314028	