

SCARA Robot(Standard)

RS405 RS410



CE RoHS

Dimensions

Features

High precision and high flexibility SCARA robot is widely used in various automation field. It can be easily integrated with peripheral control units and combined with linear modules, vision systems, end effectors etc. In addition to stand alone operations, it can also be used in a system workstations, and can easily adapt to changes in the production line to enhance quality and efficiency.

Application

Material handling, arranging, packaging, assembly, dispensing, component insertion, inspection.

Model		RS405-LU		RS410-LU		
Degrees of freedom		4				
Rated/Max. payload [kg]		2/5		5/10		
Max. working radius [mm]		400	500	600	700	800
Working range	J1[deg]	±130				
	J2[deg]	±130		±150		
	J3[mm]	200/400				
	J4[deg]	±360				
Cycle time[s]*Note 1		0.42		0.52		
Repeatability	J1+J2[mm]	±0.01	±0.02	±0.02	±0.02	±0.025
	J3[mm]	±0.01				
	J4[deg]	±0.01				
Pneumatic joint [mm]		Ø6x2 , Ø4x1		Ø6x3		
Weight[kg]		22	23	30	31	32
Protection rating		IP20				
Controller		RC4-A				
Safety/Environmental standard		CE/RoHS2.0				

* Note 1: Based on a back-and-forth movement over a vertical distance of 25mm and a horizontal distance of 100mm.

Model / Dimensions	V _A	V _B	V _C	V _D	V _E	V _F	V _G	V _H	V _I	V _J	V _K	V _L
RS405-400-200-LU	602	225	175	410	200	150	720	R225	R400	R452	130°	R175.1
RS405-400-400-LU				610	400							
RS405-500-200-LU	702	325		410	200	148		R325	R500	R552		R251.3
RS405-500-400-LU				610	400							
RS410-600-200-LU	816	325	275	410	200	167	780	R325	R600	R666	150°	R162.7
RS410-600-400-LU				610	400							
RS410-700-200-LU	916	425		410	200			R425	R700	R766		R232
RS410-700-400-LU				610	400							
RS410-800-200-LU	1016	525		410	200			R525	R800	R866		R318.1
RS410-800-400-LU				610	400							

Unit:mm

