

Sija Sp. z o.o.  
ul. Gdyńska 83  
62-004 Czerwonak  
www.sija.eu

office@sija.eu  
Tel +48 730-847-122



# PRODUKTY



SIJA3



SIJA5



SIJA10



SIJA16



SIJA20



# PARAMETRY TECHNICZNE

	SIJA3		SIJA5		SIJA10		SIJA16		SIJA20		
Specification	Payload	3kg		5kg		10kg		16kg		20kg	
	Reach	622mm		922mm		1400mm		1034mm		1854mm	
	Degrees of freedom	6 rotating joints		6 rotating joints		6 rotating joints		6 rotating joints		6 rotating joints	
	HMI	10.1 inch teach pendant or mobile terminal Web App				10.1 inch teach pendant or mobile terminal Web App					
Movement	Repeatability	±0.02mm		±0.02mm		±0.05mm		±0.03mm		±0.1mm	
	Pose repeatability per ISO 9283	±0.03mm		±0.03mm		±0.03mm		±0.03mm		±0.03mm	
	Axis movement	Working range	Maximum speed	Working range	Maximum speed	Working range	Maximum speed	Working range	Maximum speed	Working range	Maximum speed
	Base	±175°	±180°/s	±175°	±180°/s	±175°	±120°/s	±175°	±120°/s	±175°	±120°/s
	Shoulder	+ 85°/ - 265°	±180°/s	+ 85°/ - 265°	±180°/s	+ 85°/ - 265°	±120°/s	+ 85°/ - 265°	±120°/s	+ 85°/ - 265°	±120°/s
	Elbow	±150°	±180°/s	±160°	±180°/s	±160°	±180°/s	±160°	±180°/s	±160°	±120°/s
	Wrist 1	+ 85°/ - 265°	±180°/s	+ 85°/ - 265°	±180°/s	+ 85°/ - 265°	±180°/s	+ 85°/ - 265°	±180°/s	+ 85°/ - 265°	±180°/s
	Wrist 2	±175°	±180°/s	±175°	±180°/s	±175°	±180°/s	±175°	±180°/s	±175°	±180°/s
	Wrist 3	±175°	±180°/s	±175°	±180°/s	±175°	±180°/s	±175°	±180°/s	±175°	±180°/s
	Typical TCP speed	1m/s		1m/s		1.5m/s		1m/s		2m/s	
Features	IP classification	IP54 (IP66 Optional)		IP54 (IP66 Optional)		IP54 (IP66 Optional)		IP54 (IP66 Optional)		IP54 (IP66 Optional)	
	Noise	<65dB		<65dB		<65dB		<65dB		<70dB	
	Robot mounting	Any orientation		Any orientation		Any orientation		Any orientation		Any orientation	
	I/O Ports	(DI) 2	(DO) 2	(DI) 2	(DO) 2	(DI) 2	(DO) 2	(DI) 2	(DO) 2	(DI) 2	(DO) 2
		(AI) 1	(AO) 1	(AI) 1	(AO) 1	(AI) 1	(AO) 1	(AI) 1	(AO) 1	(AI) 1	(AO) 1
Tool I/O power supply	24V/1.5A		24V/1.5A		24V/1.5A		24V/1.5A		24V/1.5A		
Physical	Footprint	128mm		149mm		190mm		190mm		240mm	
	Weight	≈15kg		≈22kg		≈40kg		≈40kg		≈75kg	
	Operating temperature	0-45°C		0-45°C		0-45°C		0-45°C		0-45°C	
	Operating humidity	90%RH(non-condensing)		90%RH(non-condensing)		90%RH(non-condensing)		90%RH(non-condensing)		90%RH(non-condensing)	
	Materials	Aluminium, Steel		Aluminium, Steel		Aluminium, Steel		Aluminium, Steel		Aluminium, Steel	