

CS 612

Robotic Arm

Degrees of freedom		6
Weight		37kg
Payload		12kg
Working radius		1304mm
Repeatability		±0.05mm
Joints range		±360°
Max joints speed	Joint 1	120°/s
	Joint 2	120°/s
	Joint 3	150°/s
	Joint 4	180°/s
	Joint 5	180°/s
	Joint 6	180°/s
TCP speed *		1.5 m/s
IP rating		IP54
Ambient temperature		0-50 °C
Relative humidity		<90% (No Condensation)
Power consumption		500w
Mounting		Any angle
High speed digital input		4
Tool I/O		4 x DIO, 1 x AI, 1x AO
Tool I/O power supply		12 V / 24 V, 3A (three pin mode), 2A (two pin mode), 1A (one pin mode)
Tool communication		RS485
Footprint		Ø 190 mm
Cable length		5.5m
Power supply		48V

* Typical TCP speed

Controller

Cabinet size (W x H x L)	505mm x 432mm x 257mm
Weight	14 kg
Material	Aluminum, Steel
IP rating	IP54
I/O interface	24 x DI (8 x DI Configurable), 24 x DO (8 x DO Configurable), 2 x AI, 2 x AO
I/O power supply	Voltage: 24V; Current: 3A (internal power), 6A (external power)
Communication	3 Ethernet ports (FB1/FB2/FB3)*, 1 RS485, TCP/IP, MODBUS TCP/RTU, EtherNet/IP*, Profinet
Power supply	100-240 VAC, 50-60 Hz
Ambient temperature	0-50 °C
Relative humidity	5% ~ 95% (No Condensation)
Programming method	Graphic programming, offline programming, Python-script



Teach Pendant

Screen display size	12.1"
Resolution	1280 x 800 pixels
Material	Aluminum, Plastic
Weight	2.1 kg
Cable length	5.5 m
IP rating	IP54
Ambient temperature	0-50 °C
Relative humidity	5% ~ 95% (No Condensation)

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