

EC 612

Robotic Arm

Degrees of freedom	6	
Weight	33.5kg	
Payload	12kg	
Working radius	1304mm	
Repeatability	±0.03mm	
Joists range	±360°	
Max joints speed	Joint 1	120°/s
	Joint 2	120°/s
	Joint 3	144°/s
	Joint 4	180°/s
	Joint 5	180°/s
	Joint 6	180°/s
TCP speed *	3.2 m/s	
IP rating	IP54	
Ambient temperature	0-50 °C	
Relative humidity	5% ~ 95% (No Condensation)	
Power consumption	500w	
Mounting	Any angle	
Tool I/O	2 x DI, 2 x DO, 1 x AI, 1 x AO	
Tool I/O power supply	24 V, 2A (two pin mode), 1A (one pin mode)	
Tool communication	RS485	
Footprint	Ø 200 mm	
Cable length	5.5m	
Power supply	48V	

* Maximum TCP speed



Controller

Cabinet size (W x H x L)	ERB: 478 x 380 x 138 mm
	ERB2: 505 x 448 x 245 mm
Weight	17 kg
Material	Aluminum, Steel
IP rating	ERB IP20
	ERB2 IP44
I/O interface	16 x DI, 16 x DO, 2 x AI, 4 x AO
I/O power supply	Voltage: 24V; Current: 2A (internal power)
Communication	1 Ethernet port*, 1 RS485/RS232, TCP/IP, MODBUS TCP/RTU, EtherNet/IP*, Profinet, CCLink
Power supply	100-240 VAC, 50-60 Hz
Ambient temperature	0-50 °C
Relative humidity	5% ~ 95% (No Condensation)
Programming method	JB1, free drag programming, offline programming, LUA-script



Teach Pendant

Screen display size	12.1"
Resolution	1280 x 800 pixels
Material	Aluminum, Plastic
Weight	1.8 kg
Cable length	5.5 m
IP rating	IP65
Ambient temperature	0-50 °C
Relative humidity	5% ~ 95% (No Condensation)

Contact

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