

TECHNICAL SPECIFICATIONS

Robot Konfigurations

Degrees of Freedom	1 to 12
Payload	1 to 15kg
Range	200 – 2300mm
Repeatability	± 0,1mm
Max. Velocity	180°/s or 2m/s; depending on modules
Working Area	± 270°
Base Area	191mm x 175mm; mountable horizontal, vertical or overhead
Power Consumption	ca. 250W nominally; depending on modules
Noise Level	comparitively silent
Material	Aluminium, Polypropylene
Ambient Temperature	0°C to 50°C
Compliance	EN ISO 10218-1; EN ISO 13849-1, PL d, Cat. 3

Control Unit

Dimensions	L 400mm, W 200mm, H 300mm
Operating Voltage	100-240V AC / 50-60Hz; alternatively 48V DC
Protection Class	IP 54
Interfaces	8x Digital I/O, IO-Link, EtherCAT, Ethernet, Modbus TCP
Communication	EtherCAT, RJ45-Socket
Programming	Intuitive graphical user interface in web browser or on 12" control panel with mounting device, MATLAB or RobCo-ROS

Driver Modules

	M (D86)	L (D116)	XL (D148)
Diameter	86 mm	116 mm	148 mm
Nominal Torque	29,7 Nm	55 Nm	120 Nm
Max. Torque	70 Nm	178 Nm	374 Nm
Nominal Power	131 W	141 W	165 W
Max. Velocity	230°/s	180°/s	180°/s
Protection Class	IP 54		

Link Modules

	86mm	116mm	148mm
Diameter	86mm	116mm	148mm
Minimum Length	50mm	50mm	50mm
Maximum Length	500mm	800mm	1000mm
Length Step Size	50mm	50mm	50mm
Available Shapes	Straight links (e.g. I86-300 for straight link with 86mm diameter and 300mm length) and angled links (e.g. L148-900 for angled link with 148mm diameter and 900mm length)		
Protection Class	IP 54		

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