

Technical Details

Robot Configurations

Degrees of Freedom	1 to 8
Payload	up to 20kg
Range	200 – 2000mm
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	Comparatively 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, Ethernet, Modbus TCP
Communication	RJ45-Socket
Programming	Intuitive graphical user interface in web browser or on 12" control panel with mounting device, MATLAB or Robco-ROS, HTTP API

Technical Details

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

Diameter	86 mm	116 mm	148 mm
I-Type Lengths (mm)	200, 300, 400	300, 450, 600, 750	400, 600, 800
L-Type Lengths (mm)	240, 340, 440	350, 500, 650, 800	470, 670, 870
Available Shapes	Straight links (e.g. I86-300 for straight link with 86mm diameter and 300mm length) and angled links (e.g. L148-870 for angled link with 148mm diameter and 70mm length)		
Protection Class	IP 54		