

Eva Desktop Robot Arm

Degrees of Freedom: 6
Repeatability: ± 0.5 mm
Max Payload: 1.25 kg
Reach: 600 mm
Installation Position: Upright
Weight: 9.5 kg
Joint velocity limits: 120° / second
Toolpath speed limit: 750 mm / second
Power: 24 VDC @ 11.67A
Power Consumption: 280 W Peak
Footprint: 160 x 160 mm

Electronic Interfaces

4X: Analog Inputs
2X: Analog Outputs
6X: Digital Inputs
6X: Digital Outputs
1X: E-Stop inputs
1X: Ethernet
1X: Wifi Card
Tool Power: 24 VDC @ 1A
Base I/O Power: 24 VDC @ 1.5 A

Joint Position Limits

A1: $\pm 180^\circ$
A2: $70.03^\circ \pm 0.5^\circ$
A3: $42.76^\circ \pm 0.5^\circ$
A4: $\pm 180^\circ$
A5: $11^\circ \pm 0.5^\circ$
A6: $\pm 180^\circ$

Operating Environment

Ingress Rating: IP20
Temperature: 5 - 40 °C
Cabling: Max 3 m for power, e-stop, tools
Max Humidity @ 40°C: 50%
Max Humidity @ 20°C: 90%

Programming

Type: Remote REST API
Interface: GUI through web browser
Communication: Ethernet or wifi
Deployment: Local (installed on robot)
Export/Import: Base64 / Javascript

Any questions?

Visit our website for more technical information

www.automata.tech

