

ESR65-1200Z40

A white robotic arm, likely a KUKA model, is shown against a light gray background. The arm is positioned horizontally, with its base on the left and its end effector on the right. The word "EFORT" is printed in red on the side of the main arm section. The arm has a sleek, modern design with various joints and a vertical support structure at the end.

1. High rhythm and high precision
The fastest standard cycle time can reach 0.52 s, and the robot positioning accuracy can reach 0.03 mm.
2. High rigidity and low vibration
Robot body mode and rigidity enhancement, combined with vibration suppression and active vibration suppression functions, effectively reduce vibration.
3. Easy to maintain and scalable
The detachable structure of cables and batteries allows for the replacement of robots inside the device.

It can be used in handling, sorting, assembly, etc.

Suitable for industries such as lithium batteries, automotive electronics, and photovoltaics.

Model		ESR65-1200Z40
Reach		1200 mm
Max. payload on wrist	Rated	20 kg
	Maximum	65 kg
Robot weight		128 kg
Maximum speed	J1+J2	8500 mm/sec
	J3	1120 mm/sec
	J4	645°/sec
Motion range	J1	±140°
	J2	±148°
	J3	400 mm
	J4	±360°
Repeatability	J1+J2	±0.03 mm
	J3	±0.02 mm
	J4	±0.01°
Standard cycle time		0.52 s
J4 allowable moment of inertia	Rated	1 kg·m ²
	Maximum	2.45 kg·m ²
Electric lines		D-Sub 9-Pin+15-Pin
Pneumatic lines		φ6 mmx2,φ8 mmx1
J3 downward force		/
Installation		Floor
Installation enviroment	Ambient temperature	5~40℃
	Ambient humidity	RH≤80% (No dew nor frost allowed)

Technical drawing of a mechanical part, likely a valve or actuator, showing a top view with circular dimensions and angles. The drawing includes concentric circles with radii R1289.5, R1200, and R600. Angles of $\pm 140^\circ$, $\pm 148^\circ$, and $\pm 181^\circ$ are indicated. A central vertical section shows a handle with a circular end. Dimensions include 450, 1069.7, 1079.2, and 160.

Technical drawing of the front view of the DB15 brake assembly. The drawing shows a long, narrow component with a central rectangular section and two circular end sections. Key features include:

- Three air lines (用户气管1, 2, 3) with diameters of 6, 8, and 6 mm respectively.
- A central indicator lamp (指示灯) and a brake lever (抱闸按钮).
- A mounting bracket (4-M5x10) with mounting holes (4-φ15.5).

Dimensions are provided in millimeters: overall length 600, mounting hole spacing 262, and various internal dimensions like 89.5, 600, 104.5, 76, 32, 135, 76, 84, 200, 104.5, 200. Tolerances are specified for the mounting holes: 2-0 6F7+0.02/-0.01.

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