

ESR20-800Z42

A white industrial robot arm, specifically a SCARA model, is shown against a light gray background. The robot has a vertical mast at the back, a horizontal boom extending forward, and a wrist assembly at the end. The brand name 'EFORT' is printed in red on the side of the mast. The robot is mounted on a base.

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

Model		ESR20-800Z42
Reach		800 mm
Max. payload on wrist	Rated	10 kg
	Maximum	20 kg
Robot weight		67 kg
Maximum speed	J1+J2	9590 mm/sec
	J3	1800 mm/sec
	J4	705°/sec
Motion range	J1	±145°
	J2	±145°
	J3	420 mm
	J4	±360°
Repeatability	J1+J2	±0.025 mm
	J3	±0.01 mm
	J4	±0.01°
Standard cycle time		0.35 s
J4 allowable moment of inertia	Rated	0.05 kg·m ²
	Maximum	1 kg·m ²
Electric lines		D-Sub 9-Pin+15-Pin
Pneumatic lines		φ4 mmx2,φ6 mmx2
J3 downward force		200 N
Installation		Floor
Installation enviroment	Ambient temperature	5~40°C
	Ambient humidity	RH≤80% (No dew nor frost allowed)

ISO2003系列不同臂长机械式节拍器规格参数表				
ISO2003 series ranges of motion increments for different arm lengths				
机械式节拍器				
The name of the model				
a.节拍器臂长-节拍器轴长 (mm)	ISO2003-000720	ISO2003-000745	ISO2003-100020	ISO2003-1000245
a.1节拍器臂长 (mm)	800	800	1000	1000
b.节拍器轴长 (mm)	350	350	650	650
c.节拍器轴长 (mm)	872	872	1072	1072
c.1节拍器轴长 (mm)				
d.节拍器轴长 (mm)			145	
e.节拍器轴长 (mm)			145	
f.节拍器轴长 (mm)	201	201	315.5	315.5
g.节拍器轴长 (mm)	737	737	901	901
h.节拍器轴长 (mm)				
i.节拍器轴长 (mm)			2	
j.节拍器轴长 (mm)				
k.节拍器轴长 (mm)			3	
l.节拍器轴长 (mm)	185.5	185.5	292	292
m.节拍器轴长 (mm)	744	744	911	911
n.节拍器轴长 (mm)	230.5	230.5	362	362
o.节拍器轴长 (mm)				
p.节拍器轴长 (mm)			307	
q.节拍器轴长 (mm)	300		300	420
r.节拍器轴长 (mm)	82	172	82	172
s.节拍器轴长 (mm)				
t.节拍器轴长 (mm)			2	

ESR20 series with different arm lengths				
机型名称 The name of the model	ESR20-800Z30	ESR20-900Z42	ESR20-1000Z30	ESR20-1000Z42
a	350	350	550	550
b	300	420	300	420
c	52	172	52	172
d	120	120	220	220

[illegible]

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