

CRP-RP18-25

INDUSTRIAL ROBOT
HANDLING
APPLICATION



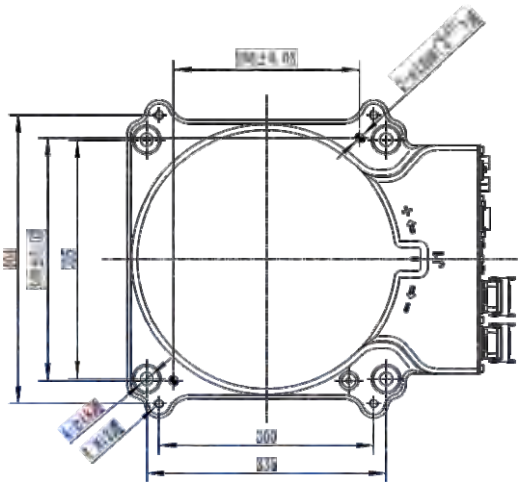
ROBOT BODY TECHNICAL PARAMETERS

Model		CRP-RP18-25
Arm form		Multi joints+connecting rod
Degree of freedom		4 axis
Maximum payload		25kg
Maximum coverage		1885mm
Maximum travel	Axis 1	-170°~170°
	Axis 2	-90°~45°
	Axis 3	-75°~105°
	Axis 4	-360°~360°
Maximum speed	Axis 1	172°/S
	Axis 2	172°/S
	Axis 3	212°/S
	Axis 4	350°/S
Allowable moment of inertia	Axis 4	1.5kg.m ²
Repeated positioning accuracy		±0.08mm
Robot body weight		245kg
Installation mode		Formal mounting
Body interface	Reserved IO	16Pin
	Reserved gas	2*φ8mm
Installation environment	Ambient temperature	0~45℃
	Relative humidity	20%~80%RH(no condensation)
	Vibration	Under 0.5 G
	Others	Robot installation must be away from: flammable or corrosive liquids or gases, electrical sources of interference
IP level		IP56
Advantage features		Compact structure, high speed, high precision,high rigidity, high life,high expansibility and easy operation
Application		Handling,palletizing,depalletizing, loading and unloading
Matching electrical cabinet		G12

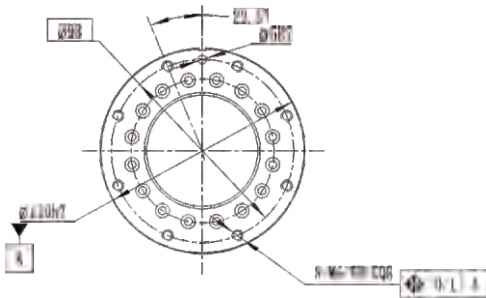
FUNCTIONAL FEATURES

- Equipped with safety emergency stop board which is independent of the control system, and the safety relay circuit is adopted to provide double-circuit emergency stop to ensure the reliability of emergency stop.
- Built-in three-phase filter can effectively improve the performance of internal and external distractions.
- The robot body adopts highly flexible special cable.
- The robot body is with dual-circuit gas pipe to meet the handling demands.
- The 4-axis structure of the 25-type harmonic reducer has stronger rigidity, meeting the special requirements of handling scenarios.
- Rod joint adopts high protection design so it has longer life span. And the robot has better performance in waterproof and dustproof.

INSTALLATION INTERFACE DIAGRAM



Installation Dimension of Base



Flange Dimensions

MOTION RANGE DIAGRAM

