nFA-G9-CD60-CR-X9

INDUSTRIAL ROBOT ELECTRICAL CABINET

· Compared with the previous generation electric cabinet (G4), the overall size is smaller and the internal structure is more compact; The front and rear compartments have independent door panels that can be opened for easy maintenance.

· With two cabins before and after, the front cabin IP54 sealed, waterproof and dustproof, protective devices; The rear cabin is ventilated for heat dissipation.

· The feet of the cabinet are detachable, so that the electric cabinet can be stacked on other electric cabinets, and the top can also be stacked with expansion cabinets, and the layout is more flexible.

· Equipped with three-phase transformer, 380V and 220V are isolated, and the power supply is more stable. Built-in three-phase filter to effectively isolate external and prevent internal interference output
Configure the safety emergency stop board independent of the control system, and adopt the imported forced disconnect relay to provide double-circuit emergency stop to ensure the reliability of emergency stop

· Using high-performance platform, better processing performance, high-speed and stable motion control, while reserving external module expansion space, can quickly configure external shaft.

· Using the new CRX9 platform software, the function is more flexible and the interface is more open, which can meet the application needs of 3C, lithium battery, general industry and other industries.

CABINET TECHNICAL INDEX

Teaching pendant	8 inch TFT-LCD touch screen, emergency stop button, mode selection switch, safety switch, shortcut keyboard
Dimension, Weight	550x725x425mm, 90KG
Protective construction	Control front bin IP54, heat dissipation rear bin IP20, front and rear bin isolation, cabinet door is not locked off the main power
Main power source	Three-phase four-wire AC380V±10%, 50/60HZ
Ground connection	Must have protective grounding (PE)
Cooling Mode	forced cooling
Environ mental specification	storage temperature : -10-60℃
	operating temperature : 0-45℃
	Relative humidity: 95% (no condensation)
	Altitude: ≤2000M
	Corrosion: no corrosive gas, liquid
	Use place: indoor, ventilated, non-airtight
cable jumper	Power cable standard 3 meters, interconnect standard 5 meters
Interface	Digital I/O interface 24 NPN input /24 output, output voltage 24V, output current 8 relays 3A, 16 transistors 500mA
	4 channels 0-10V analog output, 12 bit accuracy
	2 encoder signal interface, 5V encoder power supply
	2 channels of 100 Mbit/s network (teaching device occupies 1 channel), 2 channels of 100 Mbit/s network can be expanded according to customer needs
	Two RS485 channels, two CAN2.0 channels
	Cabinet door panel 1 USB2.0
	3 station box interfaces
Robot safety	Cabinet door emergency stop, external emergency stop, anti-collision, servo STO
Controlled Axes	6+2 axes (standard configuration 6 axes, external axes need to be selected), EtherCAT bus extension
system configuration	Main frequency: 1.6GHz, memory: DDR4L 1333MHz 2GByte, hard disk: 8G EMMC, UPS: 3S
EMC test standard	IEC 61000-6-2:2016
Communication protocol	ModusRTU、ModusTCP
Mode of operation	Teaching, reproduction, remote
	Point-to-point, linear interpolation, circular interpolation, gate motion
Instruction System	Movement, logic, craft, arithmetic
Coordinated system	Joint coordinates, Cartesian coordinates, user coordinates, tool coordinates, world coordinates
Software package	Welding/spot welding/handling/palletizing/etc. Optional
Other	Built-in PLC, power off regeneration, encoder interface (support sync belt), vision software (optional)