nFA-G7-CDH80A

The Introduction and Features of Electrical Cabinet

· With energy-saving mode, static state automatic switching, saving energy.
· The safety emergency stop board independent of the control system is configured, and the imported forced disconnect relay is adopted to provide double-circuit emergency stop to ensure the reliability of emergency stop.
· Use 3-phase AC 380V power supply directly, cancel the transformer, reduce the cost.
· Built-in three-phase filter to effectively isolate external interference and prevent internal interference output.
· Cabinet door USB interface, do not open the door can also import and export programs.
· With the cabinet door detection function, do not close the door can not be powered on, to avoid the influence of dust into the control system.
· Built-in reactor to avoid power surge impact on the control system.
· Built-in UPS power supply to avoid the impact of emergency stop and power failure on the robot body reducer.
· Large output power, can drive 50-220KG load.

CABINET TECHNICAL INDEX

Main power source	Phase/voltage	Main circuit power supply: three-phase 380V(-10%~+10%),50/60HZ
		Control loop power supply:single-phase AC220VAC(-10%~+10%),50/60HZ
	Input Power	Different robots, different power, please see the electrical cabinet nameplate for details
Cooling Mode		Air Cooling
Insulation and Withstand Voltage		Grounding AC2600VAC@50HZ,voltage withstand 1 Min(except control part of power supply)
Institutions algorithm		Vertical multi-joint series,vertical multi-joint parallelogram,Vertical multi-joint L-shaped wrist robot,etc
System Mode		Teach,Reproduction,Remote
Stopping Resistor		Internal
Regenerative Resistor		External
Instruction System		Motion、Logic、Process、Operation
Soft PLC		Ladder diagram editing、5000steps、10MS cycle
Application		Handing、welding、spraying、palletizing、cutting、etc
Teaching pendant		8-inch TFT-LCD, keyboard + touch screen, mode selection switch, safety switch, emergency stop button
User memory		400M用户存储空间
Communication Mode		Tcp/IP,ModbusTcp、ModbusRtu、CAN
Controlled Axes		6+2(The standard configuration is 6 axes,And the external axes need to be selected)
Interface		Controller: 23DI,23DO;Drive Units:3DI,3DO
		4-way 0~10V analog output, 12-bit accuracy(expandable COM)
		Double encoder signal interface(position tracking)
		Robot terminal: maintenance switch、external emergency stop
		Ethernet、CAN、RS485、RS232
		2 USB interface
Protective Function		Overcurrent,overvoltage,undervoltage,overheat,overload,overspeed, Excessive position deviation,abnormal communication,etc
Safety Mode		Associated emergency stop can rapidly stop the robot when abnormal signal occurs
Environmental specification	Installation Instruction	Indoor (avoid direct sunlight), no corrosive gas, (avoid lampblack,flammable gas and dust)
	Altitude	Altitude:undere 2000
	Ambient Temperature	-20℃~55℃ (If the ambient temperature exceeds 45℃, please keep the surrounding air to circulate)
	Storage Temperature	-20℃~55℃(Maximum temperature:80℃ for T2 hours without condensation)
	Humidity	Under 20-80%RH (No condensation)
	Vibration	Rondom Vibration Frequency:20-500HZ,X Direction 2.04m/s2,Y Direction 7.4m/s2,Z Direction 10.4m/s2 Sine Sweep frequency:10-58.1HZ,Acceleration: under 10m/s2
Connecting Cable		Under 20-93%RH (No condensation)
Dimension		630×939×472mm
Weight		10TKG