

A -51x Series

Overview

- ※ Creation of control programs in Function Block Diagram (FBD) or Ladder Diagram (LAD)
 - ※ 4-Axis Synchronous Motion, 100 KHz PWM (Total 400KHz)
 - ※ Able To Edit The Parameter Among The Controller Operation
 - ※ Multiple AUTO-PI Synchronous Function
 - ※ Multi-Lingual Display Menu
 - ※ Enhance Password & Safety Function
 - ※ Text Display Can Be Pre-Programmed in Two Languages
- ※ Built-in Standard High Frequency Counter (250KHz per Input, Total 1000KHz)
 - ※ Built-in Standard Real Time Clock (RTC)
 - ※ PC Program Can be Used For All A-61/52/62 Series
 - ※ ATP2 Text Panel Can Plug & Play Directly
- ※ Built-in Standard RS-485 Port, Connect More Than 10000 IOs Via Remote IO Module
 - ※ Memory Card Which Has Copy & Password Protection
 - ※ Connect Encoder & Multi-Sensors Directly
 - ※ Built-in Step Motor Driver, Connect Directly
 - ※ Built-in Data log Function, MicroSD Plug-in
- ※ Display Text Display Diversity Patterns, Scrolling Text, Bar Charts, Indicators
 - ※ 104 FBD Integrated Functions, 97 LD Integrated Functions
 - ※ Astronomical Clock Function
 - ※ ATP2 Text Panel Built-in Function Key
 - ※ Digital Oscilloscope Function, Real-Time Monitoring
 - ※ High-Level Math Functions
- ※ Communication Protocol MODBUS RTU/ASCII & Multi Format
 - ※ Block Name Define, Program Comment
 - ※ Communication Baud Rate 921600 bps
 - ※ Custom Truth Table, Without Logical Analysis
 - ※ Multi Communication Parameter Function
 - ※ Quick Calculation Of Nonlinear Equations
 - ※ Random Generator Hardware
 - ※ Output Over Current Protection (OCP)
 - ※ Output Over Thermal Protection (OTP)
 - ※ Output Under Voltage Lockout (UVLO)
- ※ Independent Communication Port which can communicate with 255 units MODBUS devices synchronized
 - ※ Free PC software "Yotta Edit"+"Yotta Utility"
- ※ Built-in Current(0/4~20mA)/Voltage(0~10V)/PT-100 Input + Current Output(0/4 ~ 20mA)



Technical Specifications

TYPE	5190D 5190	5188D 5188 5188M	5188D-T 5188-T 5188M-T	5189D 5189 5189M	5189D-T 5189-T 5189M-T	5191
Operation Voltage	10-30VDC / 24VAC	10-30VDC / 24VAC	10-30VDC / 24VAC	10-30VDC / 24VAC	10-30VDC / 24VAC	10-30VDC / 24VAC
Inputs	2*DI (Isolation) (Low: <2VDC High: >4VDC 2* Current (0/4mA +2*PT-100 (range: -50 - +200°C / Resolution: 1.25°C	8*DI Status Low: <2VDC Status High: >4VDC	8*DI Status Low: <2VDC Status High: >4VDC	4*DI (Isolation) (Low: <2VDC High: >4VDC) 4*AI (0-10VDC)	4*DI (Isolation) (Low: <2VDC High: >4VDC) 4*AI (0-10VDC)	16*DI (Isolation) (Low: <2VDC High: >4VDC) 4*AI (0-10VDC)
Outputs	2* Isolation (transistor) 2* 0/4-20mA (Currant)	4* Isolation (Relay)	4* Isolation (Transistor))	4* Isolation (Relay)	4* Isolation (Transistor))	10* Isolation (Relay)
Continuous Currant	Relay: 5A (with resistive load), 2A (with inductive load / Transistor:1 75A (OCP/OTP/UVLO)					
Output Operating Frequency	Relay: 30HZ / Transistor: 100KHZ					
Input Operating Frequency	250KHz (TOTAL 1000KHZ)					
RTC / Hold during power off	YES					
Operation Temperature	20 - +75°C					
Communication Ports	USB*1& RS-485*1 USB*1 & RS-485*2 & RS-232*1					
Communication Baud Rate	1200-921600bps					
Degree of Protection	IP20					
Base Controller 10s	10 10s	12 10s				30 10s
Installation	35mm DIN rail or flush mounting					
Dimension (W x H x D mm)	76.4* 118.2*40.7mm					
Communication Cable	CAB-MINIUSB60 or RS-485 or RS-232					