B2341

Programmable Logic Controller

FEATURE

- It has rich instructions, reliable functions, good adaptability, compact structure, easy to expand, cost-effective, strong versatility, programming, monitoring, debugging, and on-site operation are very convenient, and the Ethernet interface on the CPU supports Modbus TCP client function, and supports access to the data of the third-party Modbus TCP server.
- Supports Modbus TCP server function and supports third-party Modbus TCP clients to access data.
- Supported I/O expansion modules include:
  A. Digital input module
  B. Digital output module
  C. Analog input module
  D. Analog output module
  E. Special function module

The B2341 programming environment is Codesys, a programmable controller that follows the IEC61131-3 international standard, and supports five programming languages: ladder diagram (LD), instruction list (IL), structured text (ST), function block diagram (CFC), and sequential function diagram (SFC). The maximum number of expansion modules is 4, the user program storage supports 1 Mbytes, the power-down protection zone is 4 Kbytes, and Modbus TCP client and server are supported.

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General Parameters

System Power	Supply: 19.2-28.8VDC (nominal: 24VDC) Protection: power supply anti-reverse polarity
Power Consumption	100mA@24VDC
Internal BUS Supply Current	Max.2.5A@5.0VDC
Isolation	The system power to field power: isolation
IO Modules Supported	B32:2 B64:4
Wiring	Max.1.5mm² (AWG 17)

Environment Specification

Operating Temperature of Vertical Installation	-20°C - 60°C
Operating Temperature of Horizontal Installation	-20°C - 50°C
Relative Humidity	5%~95%RH, no condensation
Storage Temperature	-40°C - 85°C
Relative Humidity	5%~95%RH, no condensation
Ingress Protection Rating	IP20
EMC specifications	Comply with IEC61131-2, IEC61000-4

Communication Parameters

Communication Interface	2*RJ45
Network Port Parameters	10/100Mbps self-adaptive, full-duplex
Modbus TCP Client	Supports up to 5 Modbus TCP server connections
Modbus TCP Server	Supports up to 5 Modbus TCP client connections

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Environmental parameters

Programming Software	Codesys V3.5.19.70
Programming Language	IEC61131-3(LD、IL、ST、CFC/FBD、SFC)
Maximum Task Status	5
Program Memory	1M Bytes
Data Storage	1M Bytes
Power-down Protection Area	3K Bytes
Maximum Expansion Module Input	1K Bytes
Maximum Expansion Module Output	1K Bytes
Maximum Number of Tasks	5
Bitwise Operations Cycle	0.21us
Word Operation Cycle	0.21us
Double Word Operation Cycle	0.64us
Minimum Program Run Cycle	1ms
RTC	Not supported