C4374

Programmable Logic Controller

FEATURE

- Maximized functionality in a minimal footprint. Its ultra-compact DIN-rail mountable design frees up valuable cabinet space, reducing overall hardware costs for any standard PLC CODESYS application.
- Designed to survive. With high-grade isolation protection, this CODESYS controller guarantees continuous operation in high-vibration, high-dust, and extreme temperature environments.
- Features intuitive LED indicators for power, network, and channel status. Diagnose faults at a glance and significantly reduce MTTR (Mean Time To Repair).

The C4374 Industrial Controller, CODESYS-based PLC compliant with IEC 61131-3, supporting five standard languages. Its modular design supports up to 32 expansion modules (Digital, Analog, and Special I/O), allowing for flexible, cost-effective scaling in high-point-count applications. Equipped with RJ45, RS485, and CAN ports, it offers seamless integration via EtherCAT, Modbus TCP/RTU, and CANopen. Engineered for durability, the C4374 operates across a wide -20°C to 60°C temperature range and meets rigorous IEC EMC standards. This robust, easy-to-configure controller is the ideal solution for demanding industrial environments and complex automation tasks.

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General Parameters

System Power	Power supply: 19.2-28.8VDC (Nominal: 24VDC) | Protection: anti-reverse protection
Power Consumption	Power Consumption
Internal Bus Supply Current	Max.2.0A@5VDC
Isolation	System power to field power: isolated
Field Power	Power supply: 19.2-28.8VDC (Nominal: 24VDC)
Field Power Current	Max. DC 8A
Number of Supported I/O Modules	32
Wiring	Max.1.5mm²(AWG 16)
Installation	35mm DIN-Rail
Size	115*102*82mm
Weight	302g

Environmental parameters

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
Storage Humidity	5% - 95%RH (no condensation)
Ingress Protection Rating	IP20
EMC Specifications	Comply with IEC61131-2, IEC61000-4

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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	4M Bytes
Data Storage	4M Bytes
Power-down Protection Area	3.9K Bytes
Maximum Expansion Module Input	1K Bytes
Maximum Expansion Module Output	1K Bytes
Bitwise Operations Cycle	0.10us
Word Operation Cycle	0.10us
Double Word Operation Cycle	0.27us
Minimum Program Run Cycle	1ms
RTC	Supported (external battery required)

Communication parameters

Communication interface	1*RS485, 1*CAN, 3*RJ45+1*RJ45 (Reserved)
Network protocols	Modbus RTU, Modbus TCP, EtherCAT, CANOpen
Network port parameters	10/100Mbps Adaptive, full-duplex
RS485 Interface parameters	2400 - 115200bps
CAN Interface parameters	10K~1000K bps
Modbus TCP Client	A maximum of 5 Modbus TCP server connections are
Modbus TCP Server	A maximum of 5 Modbus TCP client connections are
Modbus RTU Master	A maximum of 5 slave devices can be connected
Modbus RTU Slave	Supported
EtherCAT	A maximum of 32 EtherCAT slave devices can be connected
CANOpen	A maximum of 8 CANopen slave devices can be connectedconnected