M9372

Programmable I/O with CODESYS

16 MB program memory
CODESYS RT 3.5 SP17 P3
2xRJ45 Ethernet 10/100 Mbps
16 MB Data / 12 kB Non-volatile memory (Retain: 6 kB)
Modbus RTU / TCP, ARTI, OPC UA
Incl. M7001 power module, with removable terminal block (RTB18C)
Up to 63 expansion slices

Facts

General description

Article number	100-8201
Warranty	Up to 2 years
Article status	Active
Shock operating	IEC 60068-2-27 (15G)
Vibration resistence	Sine vibration (based on IEC 60068-2-6), DNVGL-CG-0339 (Vibration Class B, 4G)
Industrial emissions	EN 61000-6-4: 2019
Industrial immunity	EN 61000-6-2: 2019
Installation position	Horisontal, Vertical
System power	UL System Power: Supply voltage : 24 VDC nominal, Class 2 System Power, Supply voltage : Class 2, 24 VDC nominal, Supply voltage range : 15~28.8 VDC, Protection : Output current limit / Reverse polarity protection
Power dissipation	110 mA typical @ 24 VDC (PIO+Power Module), (Network Adapter : 80 mA typical @ 24 VDC), (M7001 Module : 30 mA typical @ 24 VDC)
Current for IO module	2.0A @ 5 VDC (If except for NA, current for I/O module is about 1.7A)
Isolation	System power to internal logic : Non-isolation, System power I/O driver : Isolation
Field power	Supply voltage : 24 VDC typical (Max.28.8 VDC), * Field Power Range is different depending on IO Module series. Refer to IO Module`s Specification.
Max current field power contact	DC 10A Max
Weight	179g
Module size	54mm x 110mm x 75mm

Certifications

General	CE, FCC, UL, cUL
Hazardous	UL C1D2, ATEX (Zone2)
Marine	DNV GL
Safety	UL508, CAN/CSA C22.2 No.142-M1987

Communication

Redundancy	No
Station type	Master & Slave node (Modbus TCP , Modbus RTU)
IO data size	Max. data size (Input + Output): Max 128 Byte each slot
Max length bus line	100 m
Max network nodes	64 MODBUS/TCP master or slave nodes can be connected (ie. Max. socket TCP: 64, UDP: 16)
Baud rate	2400 ~ 115 200bps (RTU), 10/100Mbps, Auto-negotiation, Full Duplex (TCP)
Settable node address	IP-address (adjustable via DIP-switch)
Bus connection	9pin D-sub (RTU), 2 x RJ45 (TCP)
Other serial port	RS232 for MODBUS RTU (Touch Panel or IOGuide)
Serial configuration	Node: 1 (Fixed), Baud Rate: 115200 (Fixed), Data bit: 8 (Fixed), Parity bit: No parity (Fixed), Stop bit: 1 (Fixed)
Indicator	4 LEDs: 1 Green/Red, Module Status (MOD), 1 Green/Red, Network Status (NET), 1 Green/Red, PLC Run/Stop Status (RUN), 1 Green/Red, Expansion I/O Module Status (IOS)
Module location	Starter module left side
Field power detection	~14VDC

Environmental

Mounting	35mm DIN rail
Operating temperature	-25 ~ 60℃
Storage temperature	-40 ~ 85℃
UL temperature	-25 ~ 60℃
Relative humidity	5 ~ 90% non-condensing

Power module specifications

Contact voltage	DC 10A Max
Field power voltage	24VDC
Indicator	M7001: 4 LEDs, 1 Green, M-Bus Status (RUN), 1 Green, Primary Status(PRI), 1 Green, Active Status (ACT), 1 Green, Field Power Enable (Field Power)
Input voltage range	15 VDC to 28.8 VDC
Power input voltage	24VDC

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