

**GL-9972**

Programmable I/O with CODESYS

16 MB program memory

CODESYS RT 3.5 SP17 P3

1xRJ45 Ethernet 10/100 Mbps + 1xRJ45 serial port

16 MB Data / 32 kB Non-volatile memory (Retain: 16 kB)

Modbus RTU / TCP, ARTI, OPC UA

Filesystem, online change and breakpoints

Up to 63 expansion slices

Facts

General description

Article number	100-8104
Warranty	Up to 2 years
Article status	Active
Shock operating	IEC 60068-2-27 (15G)
Vibration resistance	Sine vibration (based on IEC 60068-2-6), 5 ~ 25 Hz: $\pm 1.6\text{mm}$, 25 ~ 300 Hz: 4G, Sweep rate: 1 octave/min., 20 cycles, Random vibration (based on IEC 60068-2-64), 10 ~ 40 Hz: $0.0125\text{g}^2/\text{Hz}$, 40 ~ 100 Hz: $0.0125 \rightarrow 0.002\text{g}^2/\text{Hz}$, 100 ~ 500 Hz: $0.002\text{g}^2/\text{Hz}$, 500 ~ 2000 Hz: $0.002 \rightarrow 1.3 \times 10^{-4}\text{g}^2/\text{Hz}$, Test time: 1hrs for each test
Industrial emissions	EN 61000-6-4: 2019
Industrial immunity	EN 61000-6-2: 2019
Installation position	Horizontal, Vertical
Product certifications	CE, UL, cUL, FCC, RoHS, China RoHS, Reach
System power	Nominal supply voltage: 24 VDC, Voltage range: 60°C: 18~32 VDC, 70°C: 18~26.4 VDC, Output current limitation: 1.5 A, Reverse polarity protection
Power dissipation	Max. 50 mA @ 24 VDC
Current for IO module	1.0 A @ 5 VDC
Isolation	System power to internal logic: Non-Isolation , System power I/O driver: Isolation
Field power	Nominal supply voltage: 24 VDC, Voltage range: 60°C: 18~32 VDC, 70°C: 18~26.4 VDC, * Field Power Range is different depending on IO Module series. Refer to IO Module's Specification.
Max current field power contact	DC 8 A max
Weight	84 g
Module size	22x109x70mm

Communication

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	MODBUS RTU baud rate: 2400 - 115200 bps
Bus connection	2 x RJ45 (1xRJ45 Ethernet & 1xRJ45 Serial)
Indicator	6 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), 1 green, system power status, 1 green, field power Status
Module location	Starter module left side
Field power detection	~14VDC

Environmental

Mounting	35mm DIN rail
Operating temperature	-20 ~ 60°C
Storage temperature	-40 ~ 85°C
UL temperature	-20 ~ 60°C
Relative humidity	5 ~ 90% non-condensing

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