GX-AI21V

iO-GRID X Analog Input Module

4-channel analog voltage input module supporting 0–10V, 0–5V, 1–5V, and ±10V input ranges.
12-bit resolution enables stable voltage signal acquisition.
Upper/lower limit and offset settings provide greater application flexibility.
Watchdog monitoring support helps improve overall system reliability.
Push-in wiring design supports easy installation and efficient field maintenance.

Product Certification

Technical Specifications

Module Type	Analog Input Module
Field Voltage Supply	24 VDC (-15%~+20%)
Field Current Consumption	Max. 9.5mA@24VDC
System Voltage Supply	5 VDC; via power jumper contacts
System Current Consumption	Max. <120mA@5VDC
Input Impedance	≥1 MΩ
Number of Analog Input	4
Analog Input Signal Type	-10V ~ +10V、0V ~ +10V、 0V ~ +5V、1V ~ +5V
Analog Input Signal Design	Differential signal
Resolution	12 bit
Accuracy	±0.1%
Connection Method	Push-in connection
Conversion Time	10ms
Isolation Method	Photocoupler Isolation
Indicators	4 Green Input Status、Power Status : Green、System Status : Green、Alarm Status : Red

General Specifications

Dimensions (W*D*H)	12 x 105 x 69mm
Weight	60g
Operating Temperature	-10 ... 60 °C
Storage Temperature	-25...+85 ˚C
Permissible Humidity(Non-condensing)	RH 95%

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Altitude Limit	< 2000 m
Ingress Protection (IP)	IP20
Pollution Severity	II
Product Certification	UL / CE
Wire Range (IEC / UL)	0.2mm2...1.5mm2(AWG 24...16)
Suggested Terminals	DN00510D/DN00710D

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