GX-AI31C

iO-GRID X Analog Input Module

8-channel analog current input module supporting 0–20mA and 4–20mA input ranges.
12-bit resolution supports multi-channel current 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	250Ω, (最大值)
Number of Analog Input	8
Analog Input Signal Type	0mA ~ 20mA、4mA ~ 20mA
Analog Input Signal Design	single-end signal
Resolution	12 bit
Accuracy	±0.1%
Connection Method	Push-in connection
Conversion Time	10ms
Isolation Method	Photocoupler Isolation
Indicators	8 Green Input Status、Power Status : Green、System Status : Green、Alarm Status : Red

General Specifications

Dimensions (W*D*H)	12 x 105 x 69 mm
Weight	60g
Operating Temperature	-10 ... 60 °C
Storage Temperature	-25...+85 ˚C
Permissible Humidity(Non-condensing)	RH 95%
Altitude Limit	< 2000 m

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

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