

GX-DI40N

iO-GRID X 16-Channel Digital Input Module

16-channel digital input module with SINK input design for multi-point signal acquisition. Optical isolation and input filtering help reduce noise caused by mechanical switching. Watchdog monitoring support helps improve system reliability.

DIN rail mounting, push-in wiring, and pluggable terminals simplify installation without tools.

No additional power supply is required, and module replacement can be completed without removing field wiring.



Product
Certification



Technical Specifications

Module Type	Digital Input Module
Field Voltage Supply	24 VDC (-15%~+20%)
Field Current Consumption	Max. 49mA@24VDC
System Voltage Supply	5 VDC; via power jumper contacts
System Current Consumption	Max. 60mA@5VDC
Input Current per Channel for Signal	2.4mA
Input Type	SINK
Number of Inputs	16
Input Voltage Range for Signal (0)	15VDC...30 VDC
Input Voltage Range for Signal (1)	0 VDC...10 VDC
Input Signal Type	SINK
Connection Method	Push-in connection
Input Filter Time	3ms
Isolation Method	Photocoupler Isolation
Indicators	16 Green / Input Status □ Power Status : Green □ System Status : Green □ Alarm Status : Red

General Specifications

Dimensions (W*D*H)	12 x 105 x 69mm
Weight	62g
Operating Temperature	-10 ... +60 °C
Storage Temperature	-25 ... +85 °C
Permissible Humidity(Non-condensing)	RH 95%



Altitude Limit	< 2000 m
Ingress Protection (IP)	IP 20
Pollution Severity	II
Product Certification	UL / CE
Wire Range (IEC / UL)	0.2mm ² ... 1.5mm ² (AWG 24...16)
Suggested Terminals	DN00510D / DN00710D

Product Drawing



The company reserves the right to modify and change the design of products.