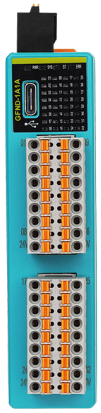
GFND-1A1A

iO-GRID NEMO Integrated Remote I/O Module

Integrated Remote I/O module with PROFINET communication and 32 digital input points.
SINK(NPN) input design for multi-point signal acquisition applications.
Pluggable terminal block and push-in wiring enable faster installation and easier wiring.
Integrated point indicators and independent LED status display make module status easy to identify.
Dual RJ45 ports support distributed station architecture and flexible machine expansion.



Product Certification

Technical Specifications

System Voltage Supply	24 VDC (-15%~+20%)
Current Draw	Max. 160mA@24VDC
Input / Output Signal Type	Sink
Number of Inputs	32
Input Voltage Range for Signal (0)	15VDC...30 VDC
Input Voltage Range for Signal (1)	0 VDC...10 VDC
Protective Circuit	Overvoltage Protection / Undervoltage Protection / Overcurrent Protection
Connection Method	Push-in connection
Isolation Method	Digital Isolator
Indicators	32 Green / Input Status; Power Status : Green; System Status : Green; Alarm Status : Green/Red; Communication Status : Green/Red
Number Port	2

Communication Specifications

Protocol	PROFINET

General Specifications

Dimensions (W*D*H)	25 x 116 x 85 mm
Weight	150 g
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)	IP 20
Pollution Severity	II
Safety Approval	UL / CE
Wire Range (IEC / UL)	0.2 mm^2 ~ 1.5 mm^2 / AWG 24~16

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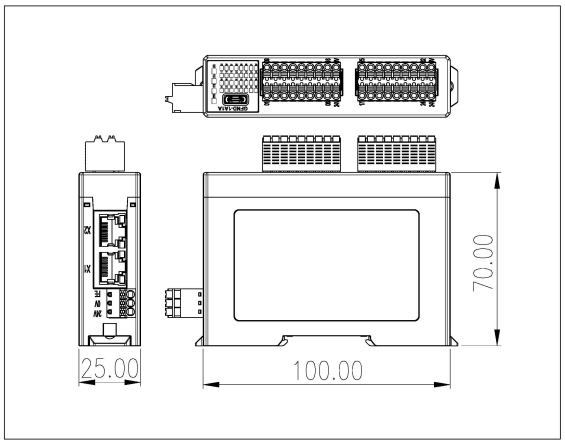
Product Drawing



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

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