

## Slim IP67 Analog Module

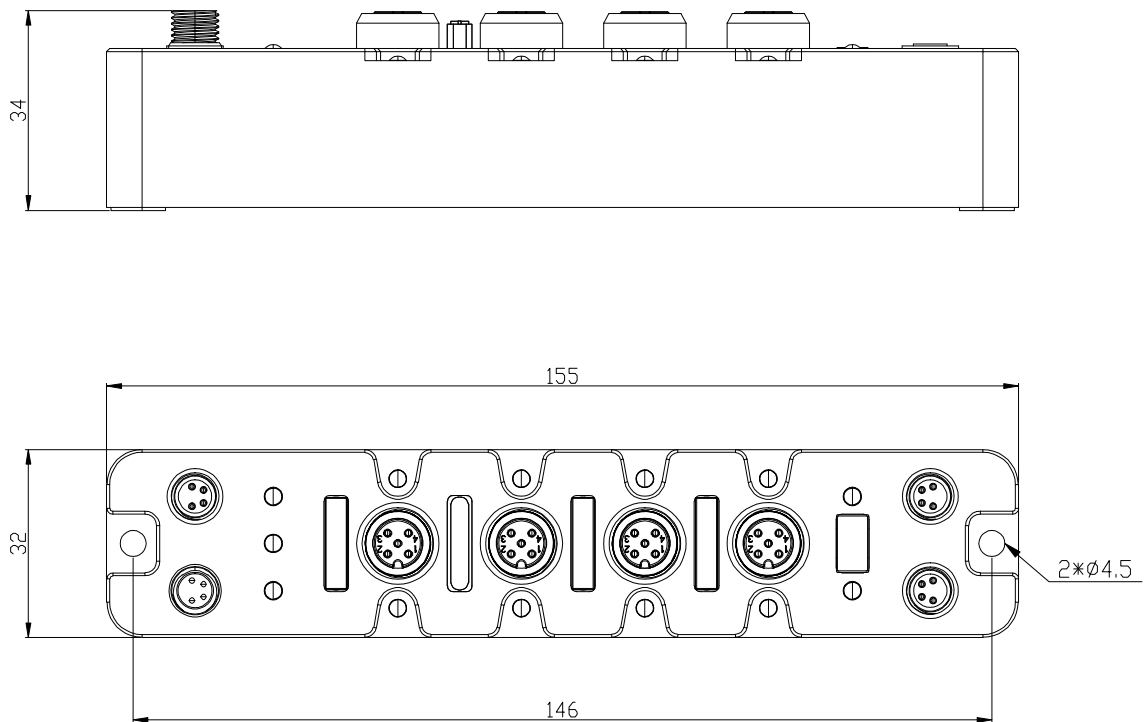
- Protection class IP67
- 4 analog input/output interfaces
- Used for compact and small installation space
- Independent slave, directly connected with PLC



<b>Ordering data</b>	
Product type	FEPN-04UA-M12-T
Description	Slim IP67 analog module
<b>Communication</b>	
Protocol	Profinet
Operating mode	Auto-negotiation, Auto-MDI/MDI-X
Transfer rate	10/100 Mbps
Addressing	Profinet, DCP
<b>Power supply</b>	
Operating voltage	24 VDC (18...30 VDC)
Current consumption	Max. 200mA
System&Signal supply	Us, Max. 4A
Auxiliary supply	Us, Max. 4A
Electrical isolation	Us and Ua: 24V separated, 0V connected
<b>Connections</b>	
Power supply	2 x M8 4pin, Male+Female
Fieldbus	2 x M8 4pin, Female
Signals	4 x M12 A-code 5pin, Female
<b>Electrical parameter</b>	
Operating mode	Current, voltage, thermocouple, signal type and in/out can be set
Input channels	Max. 4
Input supply current	Max. 200mA per channel
Input type	Current: 0...20mA, 4...20mA; Voltage: 0...10V; Thermocouple: Type J, K, T, N, E; Thermal resistance(Two-wire): PT100, PT1000
Internal impedance	Current: 250Ω; Voltage: 1MΩ
Resolution	16 Bit
Switching time	Current & Voltage: 12 ms; Thermocouple: 50 ms
Measurement accuracy	± 0.3%
Output channels	Max. 4
Output type	Current: 0...20mA, 4...20mA; Voltage: 0...10V
Internal impedance	Current: <450Ω; Voltage:>1kΩ
Resolution	16 Bit
Switching time	12 ms
Measurement accuracy	± 0.3%
<b>Diagnostics</b>	
Communication indication	LED indication, Communication message
Voltage detection	Support, Low voltage alarm
Short-circuit & Overload	Support, LED indication
<b>General data</b>	
Protection	IP67
Temperature	Operating -25...+70 °C, Storage -40...+85 °C
Dimensions (W*H*D)	32x155x34 mm

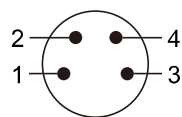
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## Dimensions drawing



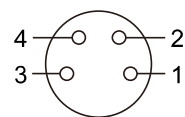
## Voltage supply drawing

Power in, male



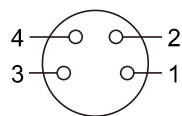
- 1 - System/Input supply 1L+
- 2 - Output supply 2L+
- 3 - System/Input supply 1M
- 4 - Output supply 2M

Power out, female



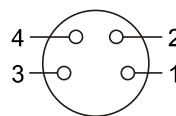
## Fieldbus drawing

Bus in, female



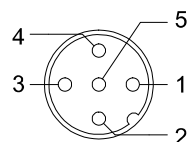
- 1 - Transmit TD+
- 2 - Receive RD+
- 3 - Receive RD-
- 4 - Transmit TD-

Bus out, female



## I/O Port drawing

I/O Port



- 1 - Power supply 24V-
- 2 - Signal in/out AI/AO+
- 3 - Power supply GND
- 4 - Signal in/out AI/AO-
- 5 - Protective earth PE