

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



Ordering data

Product type	FEPN-04UA-M12
Description	Slim IP67 analog module

Communication

Protocol	Profinet
Operating mode	Auto-negotiation, Auto-MDI/MDI-X
Transfer rate	10/100 Mbps
Addressing	Profinet, DCP

Power supply

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

Connections

Power supply	2 x M8 4pin, Male+Female
Fieldbus	2 x M8 4pin, Female
Signals	4 x M12 A-code 5pin, Female

Electrical parameter

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, R, S, B
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%

Diagnostics

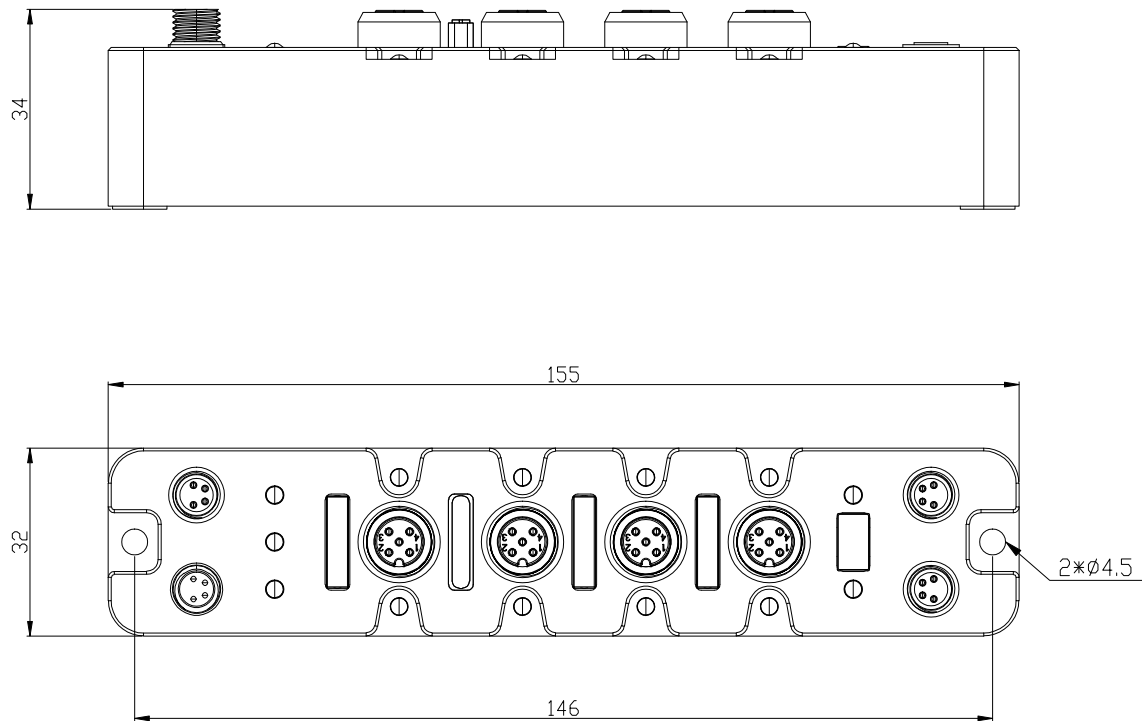
Communication indication	LED indication, Communication message
Voltage detection	Support, Low voltage alarm
Short-circuit & Overload	Support, LED indication

General data

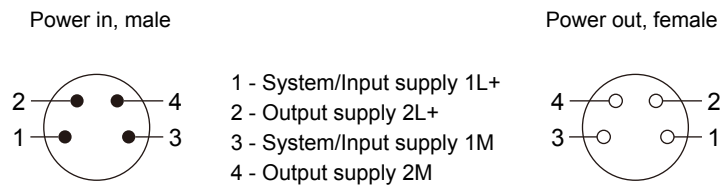
Protection	IP67
Temperature	Operating -25...+70 °C, Storage -40...+85 °C
Dimensions (W*H*D)	32x155x34 mm

Slim IP67 Analog Module

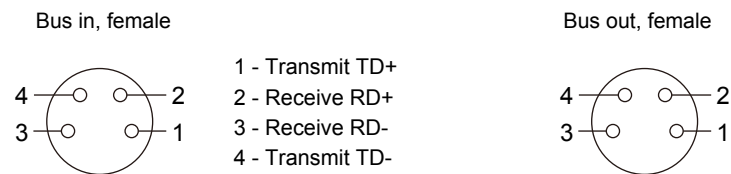
Dimensions drawing



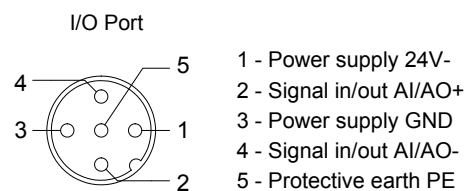
Voltage supply drawing



Fieldbus drawing



I/O Port drawing



Slim IP67 Analog Module

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EtherCAT 



Ordering data

Product type	FEEC-04UA-M12
Description	Slim IP67 analog module

Communication

Protocol	EtherCAT
Operating mode	Auto-negotiation, Auto-MDI/MDI-X
Transfer rate	10/100 Mbps
Addressing	System automatic allocation

Power supply

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

Connections

Power supply	2 x M8 4pin, Male+Female
Fieldbus	2 x M8 4pin, Female
Signals	4 x M12 A-code 5pin, Female

Electrical parameter

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, R, S, B
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%

Diagnostics

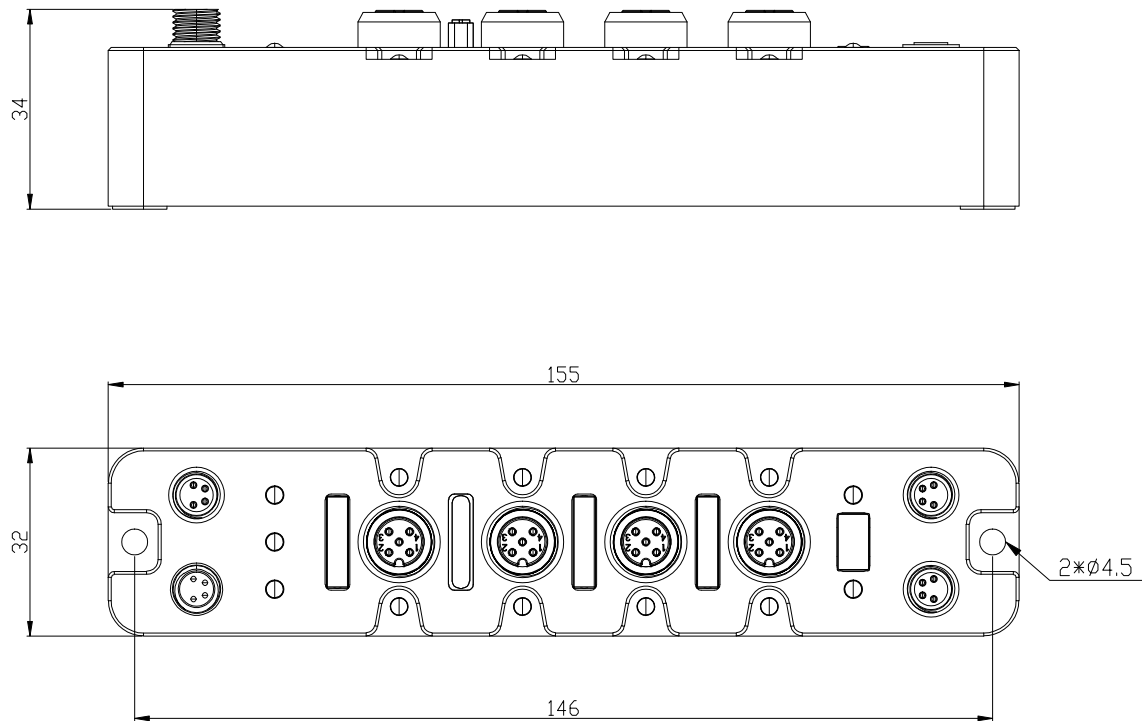
Communication indication	LED indication, Communication message
Voltage detection	Support, Low voltage alarm
Short-circuit & Overload	Support, LED indication

General data

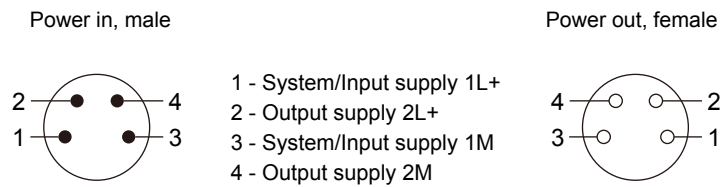
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Temperature	Operating -25...+70 °C, Storage -40...+85 °C
Dimensions (W*H*D)	32x155x34 mm

Slim IP67 Analog Module

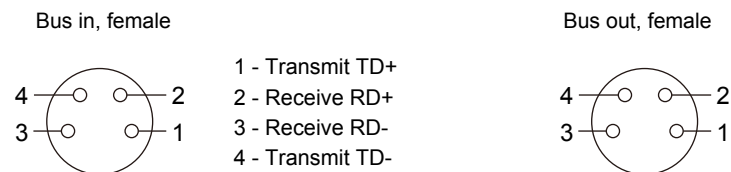
Dimensions drawing



Voltage supply drawing



Fieldbus drawing



I/O Port drawing

