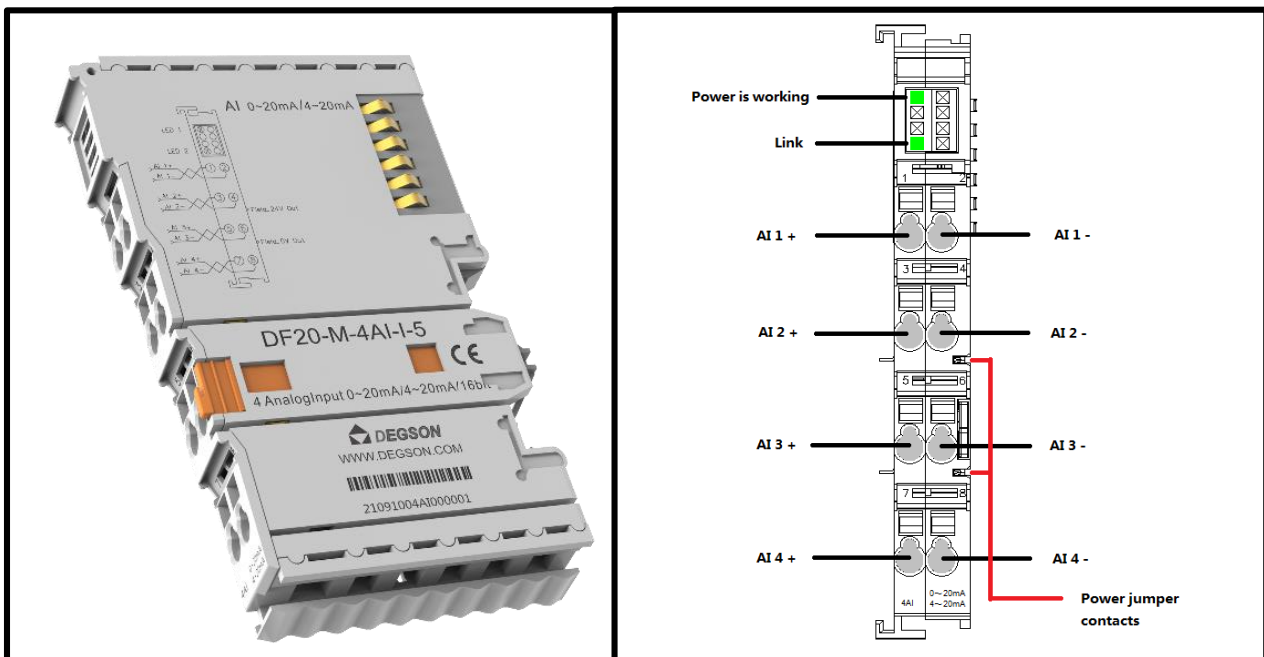


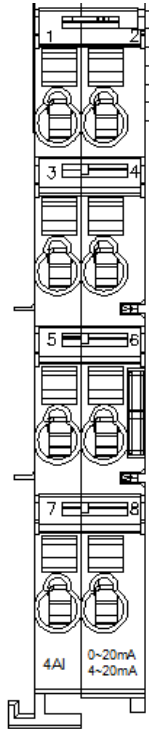
### ◆ 4 channel Analog input /current type /0~20mA ,4~20mA (DF20-M-4AI-I-5)

- This analog input module processes standard 0~20mA ,4~20mA signals.
- 4 channel Analog input , current type .
- The two LED indicators respectively indicate the normal operation and communication of the module.
- Field and system levels are Magnetic isolated.
- Transmitted with a resolution of 16 bits.
- Protection level IP20.



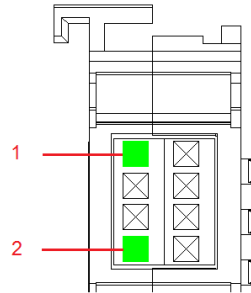
## 2. Hardware Interface

### ● Wiring Terminal



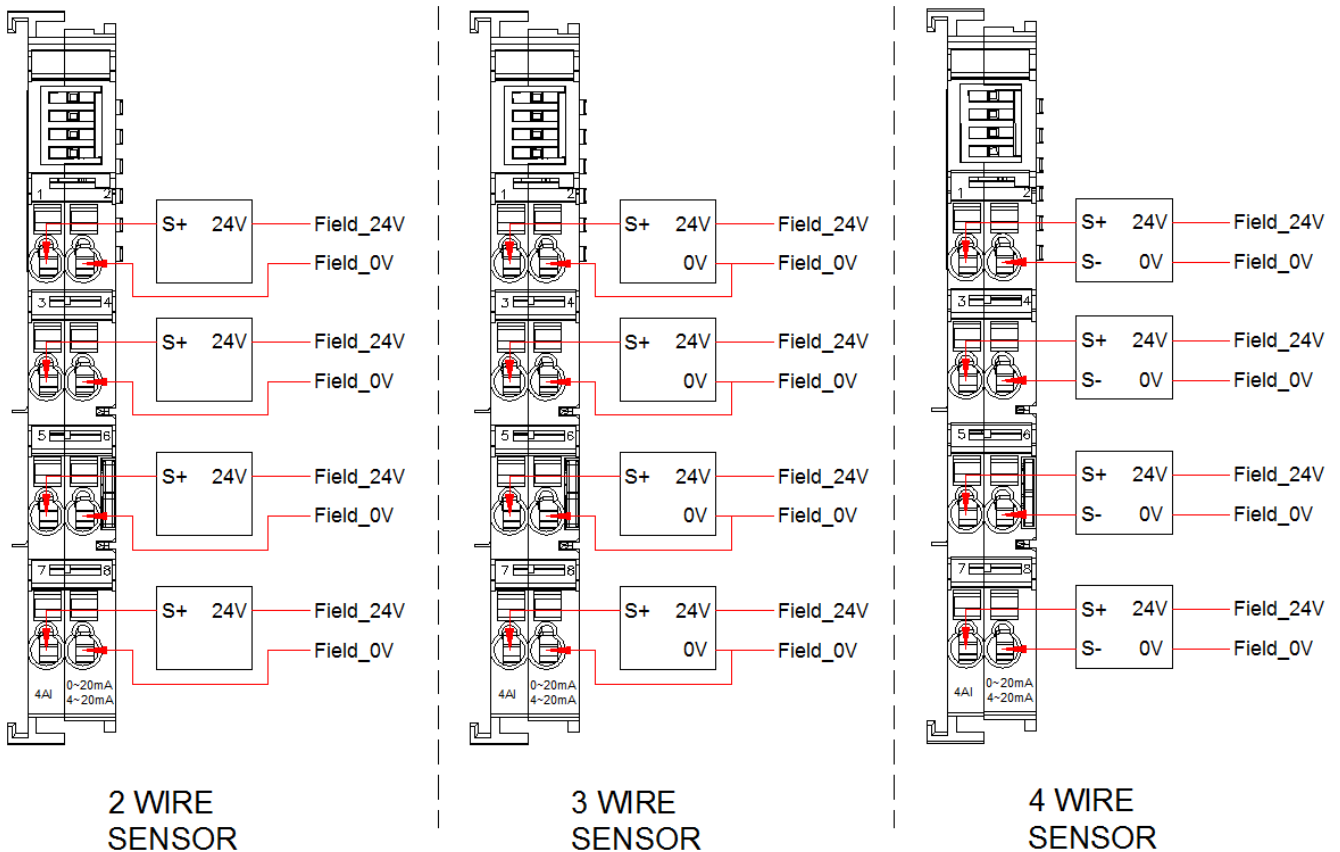
No.	Signal	Description
1	AI 1+	Current input channel1
2	AI 1-	
3	AI 2+	Current input channel2
4	AI 2-	
5	AI 3+	Current input channel3
6	AI 3-	
7	AI 4+	Current input channel4
8	AI 4-	

## ● LED Indicator



LED Indicator	State	Definition	
1	Green:ON	Power Normal	
	Green:OFF	Power Failure	
2	Power-on	Green:ON	Module is being initialized
		Green:OFF	Module initialization is complete
	Running	Green: Flash	The module runs normally
		Green:OFF	Module operating fault

## ● Wiring



### 3.Process data definition

#### ● DF20-M-4AI-I-5 Module process data definition

Input data									
Bit No	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0	Data type
Byte 0	Analog Input Data(Channel 1)								Uint16
Byte 1									
Byte 2	Analog Input Data(Channel 2)								Uint16
Byte 3									
Byte 4	Analog Input Data(Channel 3)								Uint16
Byte 5									
Byte 6	Analog Input Data(Channel 4)								Uint16
Byte 7									

#### Data description:

Analog Input Data(Channel 1~4): Analog signal Input value of corresponding channel.

Analog Input Data (DF20-M-4AI-I-5)						
(Profinet/Ethernet IP)			Other			
(0~20mA)	(4~20mA)	Decimal	(0~20mA)	(4~20mA)	Decimal	
>23.515	>22.810	32767	/	/	/	Overflow
23.515	22.81	32511	/	/	/	Exceed the upper limit
...	...	...				
...	...	...				
20.0007	20.0005	27649				
20	20	27648	20	20	65535	Rated range
...	...	...	...	...	...	
...	...	...	...	...	...	
0	4	0	0	4	0	
<0.0	3.9995	-1	/	/	/	Exceed the lower limit
...	...	...				
...	...	...				
...	1.1852	-4864				
/	<1.1852	-32768	/	/	/	Underflow

## 4.Machinery installation

### ● Dimension drawing

The installation size is shown in the following figure (unit: mm):

