

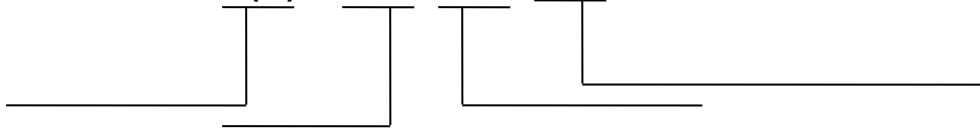
DIN Rail DC V/I Signal Isolated Distributor

General Features:

- “Zero” and “Gain” adjustment
- 0-5V/0-10V voltage signal or 0-10mA/0-20mA/4-20mA/ current signal isolation and transfer
- with good anti-jamming capability
- Assistant power: 5VDC/12VDC/15VDC/24VDC
- Three-port (power/input/output) isolation: 3000VDC
- Input port with a isolated power supply
- DIN35 Rail Mounting

Part number and description:

DIN 1x1 ISOEM U(A)□ - P□ -O□ -S□



Input signal	Accessorial power supply P	Output	Isolated P
U1:0-5V	P1:DC24V	O1:4-20mA	S1:9V
U2:0-10V	P2:DC12V	O2:0~20mA	S2:15V
U3:0-75mV	P3: DC5V	O4:0~5V	S3:24V
U4:0-2.5V	P4:DC15V	O5:0~10V	
U8: User-defined	P8: User-defined	O6:1~5V	
A1:0-1mA		O8:User-defined	
A2:0-10mA			
A3:0-20mA			
A4:4-20mA			
A8: User-defined			

Example:

1: Input 0-5V ; power supply:24VDC ,Output :0-5V Isolated power supply:15V

Part No: DIN1x1ISO-U1-P1-O4-S2

2.Input:4-20mA, power supply:24VDC,Output:4-20mA Isolated power supply:24V

Part No.:DIN1x1ISO-A4-P1-O1-S3

General parameters:

Accuracy----- 0.1%/0.2% /0.5%

Assistant power ----- DC5V/12V/24V, ±10%

Operating temperature ----- -25 ~ +70°C

Operating Humidity ----- 10 ~ 90% (Non-condensing)

Storage temperature ----- -45 ~ +80°C

Storage Humidity ----- 10 ~ 95% (Non-condensing)

Isolation ----- Input/out/power

Insulation resistance ----- ≥20MΩ

Comparison endurance-----Signal input/output/

Accessorial power supply

5000VDC,50Hz,1min,leak current 1mA

Shock voltage ----- 5KVAC, 1.2/50us(Peak)

Input Parameter				Out Parameter		
Item	impedance	Power Loss	Overload capability	Item	Overload capability	Response Time
0-5V	≥300KΩ	voltage output < 0.3W	2.0 times: Continuous	4-20mA	Loaded resistance ≤350Ω	≤1mS
0-10V				0-20mA		
0-1mA	1KΩ	Current output <0.75W	1.5 times: Continuous 3.0 times: 1S	0-5V	≥2KΩ	
0-10mA	TYP: 250Ω			0-10V		
0-20mA	Or			1-5V		
4-20mA	user-defined					

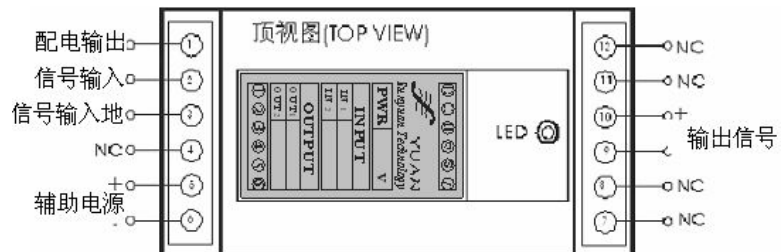
Accessories installed on the PCB board and function figure:

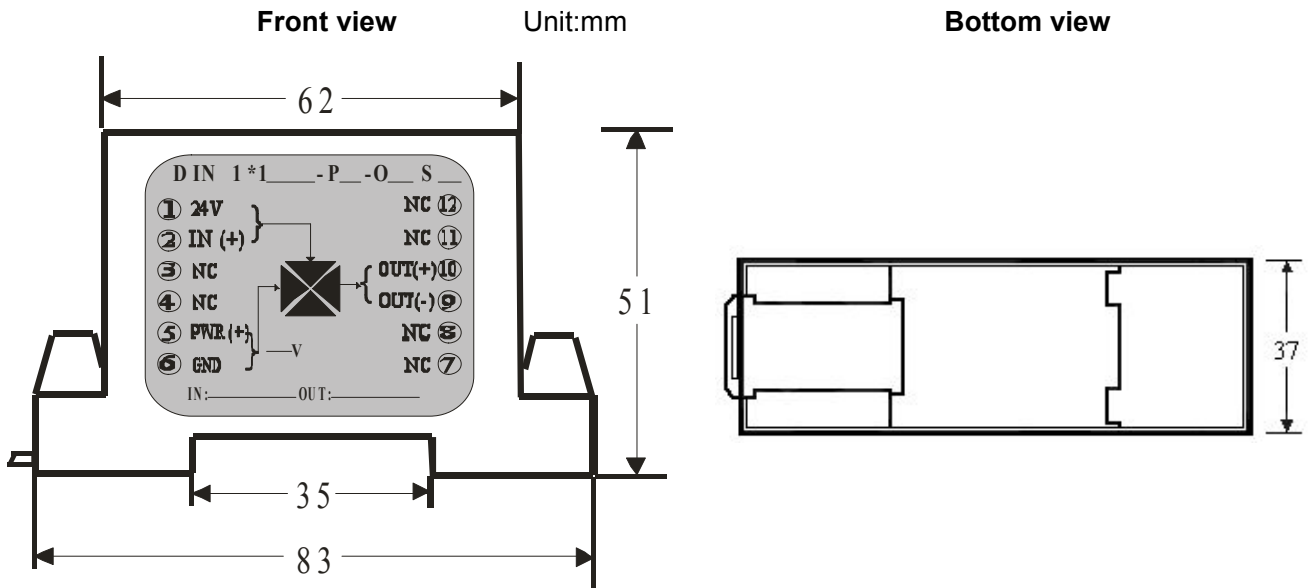
(Products have been calibrated, the user can use directly)

Only need adjust gain e.g.:DIN 1X1 ISO-U2-P1-O5-S	Need products to adjust gain and zero e.g.:DIN 1X1 ISO-U2-P1-O1-S
<p>图 1</p>	<p>图 2</p>
<p>W1 is gain adjustment resistor, is used to adjust output precision</p>	<p>W1 are resistance to adjust output precision,W2 are used to adjust zero precision</p>

DIN 1X1 series physical dimension&connecting diagram

Pin	Function	
1	Power out	Isolated power supply output
2	Signal IN	Signal in +
3	Signal GND	Signal in -
4	NC;	NC
5	Power in	Accessorial power supply +
6	Power GND	Accessorial power supply -
7	NC;	NC
8	NC;	NC
9	Out-	Signal out -
10	Out+	Signal out +
11	NC;	NC
12	NC;	NC





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