

# DIN Rail DC Current/Voltage Signal Isolated Distributor

ISO9001:2008

## General Features

- “Zero” or “Gain” adjustment is available.
- With good anti-jamming capability, high reliability.
- Auxiliary power: 5VDC/12VDC/15VDC/24VDC, etc.
- Three-port (power/input/output) isolation: 3000VDC.
- User-defined input, output and auxiliary power are available.
- International standard DIN35 Rail Mounted package.
- 0-5V/0-10V/0-10mA/0-20mA/4-20mA, etc input and output.



## Model Selection and Description

DIN 1x1 ISOEM U(A)□ - P□ - O□

Input signal	Auxiliary power supply P	Output
U1:0-5V	P1:DC24V	O1:4-20mA
U2:0-10V	P2:DC12V	O2:0~20mA
U3:0-75mV	P3: DC5V	O4:0~5V
U4:0-2.5V	P4:DC15V	O5:0~10V
U5:0-±5V	P8: Customized	O6:1~5V
U6:0-±10V		O7:0-±5V
U7:0-±100mV		O8: Customized
U8: Customized		O9: -20+20mA
A1:0-1mA		O10: 0-±10V
A2:0-10mA		
A3:0-20mA		
A4:4-20mA		
A5:0-±1mA		
A6:0-±10mA		
A7:0-±20mA		
A8: Customized		

## Model Selection Examples

**E.g.1:** Input 0-5V ; power supply:24VDC ,Output:0-5V,

**Model No:** DIN1x1 ISOEM U1-P1-O4

**E.g. 2:** Input:4-20mA, power supply: customized 220VAC,Output:4-20mA

**Model No.:** DIN1x1 ISOEM A4-P8-O1

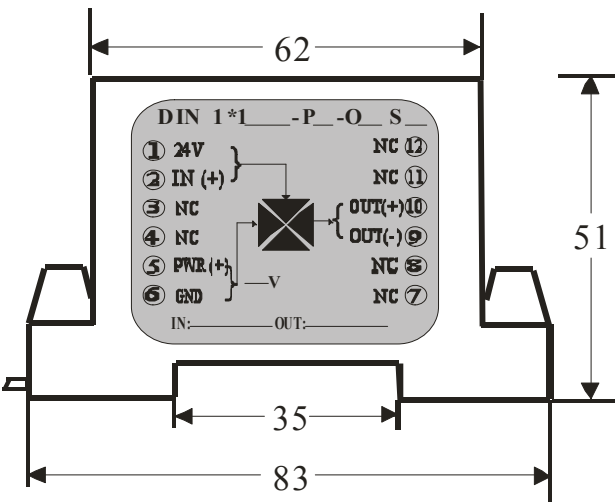
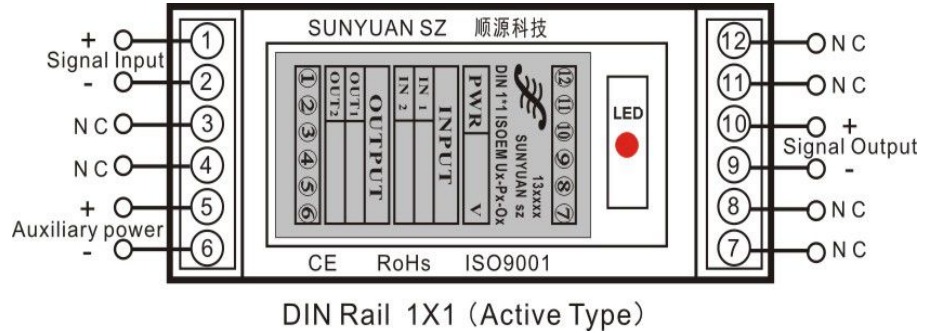
## General parameters

Accuracy----- 0.2% /0.5%	Isolation ----- 3kV isolation among input/out/power
Assistant power ----- DC5V/12V/24V,etc ±10%	Insulation resistance ----- ≥20MΩ
Operating temperature ----- -25 ~ +70℃	Comparison endurance-----Signal input/output/ Auxiliary power supply
Operating Humidity ----- 10 ~ 90% (Non-condensing)	5000VDC,50Hz,1min,leak current 1mA
Storage temperature ----- -45 ~ +80℃	Shock voltage ----- 5KVAC, 1.2/50us(Peak)
Storage Humidity ----- 10 ~ 95% (Non-condensing)	

Input Parameters				Output Parameters		
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					

**Physical Dimension& Terminal Definition**

Pin	Functions	
1	Signal IN	Signal in +
2	Signal GND	Signal in -
3	NC	NC
4	NC	NC
5	Power in	Auxiliary power supply +
6	Power GND	Auxiliary power supply -
7	NC	NC
8	NC	NC
9	Out-	Signal out -
10	Out+	Signal out +
11	NC	NC
12	NC	NC



Front View



Bottom View

(Note: Specifications are subject to change without notice.)