

## HZ-DC-D2系列直流电流变送器

### (HZ-DC-D2 Series DC current isolation transducer)

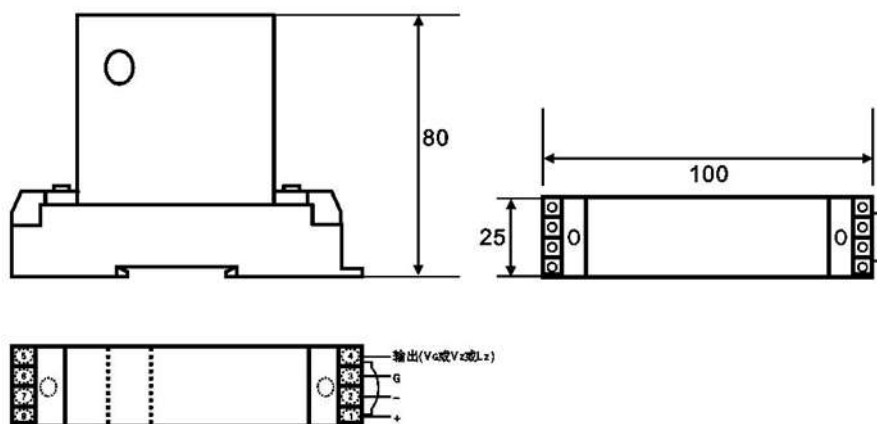
HZ-DC-D2 系列霍尔电流变送器的初、次级之间是绝缘的，可用于测量直流电流。

(HZ-DC-D2 Series Current transducer between primary and secondary is insulated, can be used for the measurement of DC current)

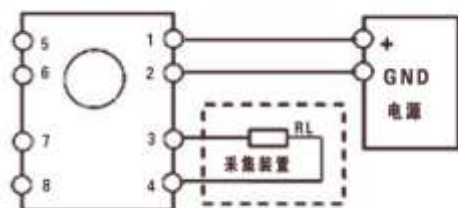
电气参数 (Electrical characteristics)					
	型号 Type	HZ5-DC-D2	HZ30-DC-D2	HZ50-DC-D2	
I <sub>pn</sub>	额定输入电流 (DC) Rated input	5	30	50	A
I <sub>pm</sub>	测量电流范围 (DC) Measuring range	6	36	60	A
R <sub>m</sub>	测量电阻 Measuring resistance	0-500			Ω
I <sub>out</sub>	输出电流 Rated output current	4~20 (0~5V 可选)			mA
I <sub>o</sub>	零电流失调 Zero offset current	<4±0.1			mA
V <sub>c</sub>	供电电压 Supply voltage	+24±5%			V
I <sub>c</sub>	静态功耗 Current consumption	≤30+I <sub>out</sub>			mA
I <sub>ot</sub>	零点温漂 Thermal drift of I <sub>o</sub>	≤±0.005			mA/ °C
F	带宽 Frequency bandwidth(-3dB)	DC			Hz
ε <sub>G</sub>	精度 Accuracy	0.5			%
ε <sub>L</sub>	线性度 Linearity	0.1			%
Tr	响应时间 Response time	≤200			mS

Vd	绝缘电压 Insulation voltage	1.5	KV
Ta	工作温度 Ambient operating temperature	-10~+60	°C
Ts	储存温度 Ambient storage temperature	-25~+70	°C
M	重量 mass	110	g
	标准 Standards	EN50155\EN50178 UL94-Vo	

机械参数 Dimensions (mm)



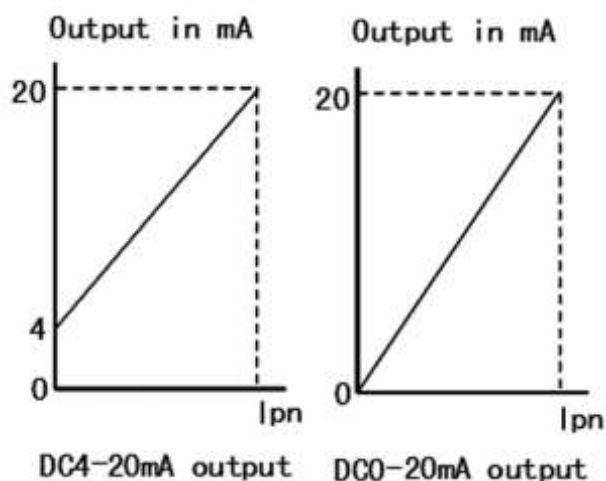
接线方式



端子	接线
1	电源 +
2	电源地 G
3	输出 -G
4	输出 +

端子标准：3.52mm, 8pin 接线式连接器  
输入孔径：20mm

## 线性关系 (Linear)



## 使用说明 Remarks

### 1、产品命名: HZ\*\*-DC-P\*0\*D2

(Product name: HZ \*\*-DC-P \* 0 \* D2)

HZ 代表品牌 \*\*代表输入电流

(HZ : brand ; \*\*: input current)

DC: 测量直流电流

(DC: Measuring DC current)

P\*代表电源: P1: +12~15V; P2: +24V; P3: AC220V; P4: 自定义

(P\* : power supply; P1: +12 ~ 15V.; P2: +24 V; P3: AC220V; P4: customize)

0\*代表输出: 01: 0~5V; 02: 0~20mA; 03: 4~20mA; 04: 自定义

(0\* : output; 01: 0 ~ 5V; 02: 0 ~ 20mA; 03: 4 ~ 20mA; 04: customize)

D2 代表 35mm 导轨安装方式外壳, 孔径 20mm

(D2: 35mm DIN Installation method, Inner diameter 20mm)

### 2、传感器的输出幅度可根据用户需要进行适当调节

(The amplitude of the output of the transducer can be appropriately adjusted according to user needs.)

### 3、可按用户需求定制不同额定输入电流和输出电压的传感器

(Custom different rated input current and the output voltage of the transducer)

### 4、电压输出型负载 $\geq 10K\Omega$ , 电流输出型 $\leq 500\Omega$

(The voltage output load  $\geq 10K\Omega$ , current output type  $\leq 500\Omega$ )