

## HZ-DC-D2系列直流电流变送器

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

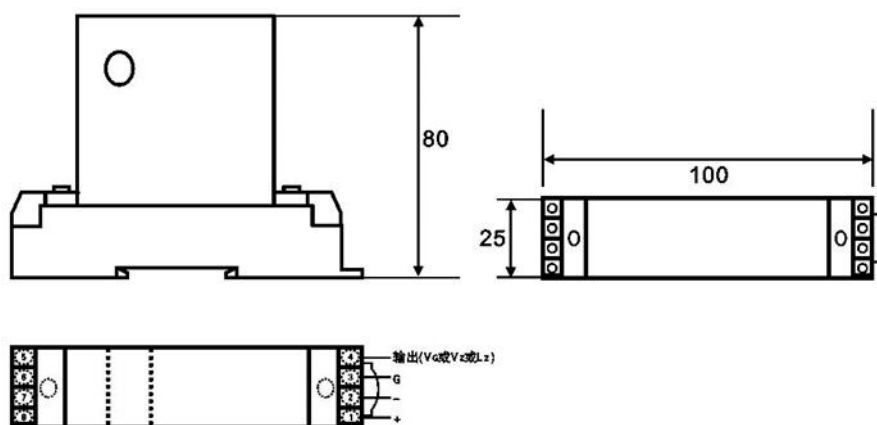
HZ-DC-D2 系列霍尔电流变送器的初、次级之间是绝缘的，可用于测量直流电流。

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

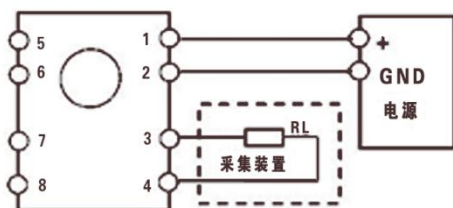
| 电气参数 (Electrical characteristics) |   |                     |            |            |       |
|-----------------------------------|---|---------------------|------------|------------|-------|
|                                   | 型号 Type                                 | HZ5-DC-D2           | HZ30-DC-D2 | HZ50-DC-D2 |       |
| I <sub>pn</sub>                   | 额定输入电流<br>(DC)<br>Rated input           | 5                   | 30         | 50         | A     |
| I <sub>pm</sub>                   | 测量电流范围<br>(DC)<br>Measuring range       | 6                   | 36         | 60         | A     |
| R <sub>m</sub>                    | 测量电阻<br>Measuring resistance            | 0-500               |            |            | Ω     |
| I <sub>out</sub>                  | 输出电流<br>Rated output current            | 4~20 (0~5V 可选)      |            |            | mA    |
| I <sub>o</sub>                    | 零电流失调<br>Zero offset current            | $<4 \pm 0.1$        |            |            | mA    |
| V <sub>c</sub>                    | 供电电压<br>Supply voltage                  | $+24 \pm 5\%$       |            |            | V     |
| I <sub>c</sub>                    | 静态功耗<br>Current consumption             | $\leq 30 + I_{out}$ |            |            | mA    |
| I <sub>ot</sub>                   | 零点温漂<br>Thermal drift of I <sub>o</sub> | $\leq \pm 0.005$    |            |            | 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<br>Response time                   | $\leq 200$          |            |            | mS    |

|    |                                       |  |    |
|----|---------------------------------------|--|----|
| Vd | 绝缘电压<br>Insulation voltage            | 1.5                                      | KV |
| Ta | 工作温度<br>Ambient operating temperature | -10~+60                                  | °C |
| Ts | 储存温度<br>Ambient storage temperature   | -25~+70                                  | °C |
| M  | 重量 mass                               | 110                                      | g  |
|    | 标准 Standards                          | GB/T 13850-1998\IEC688:1992\UL94-Vo\ROHS |    |

机械参数 Dimensions (mm)



接线方式

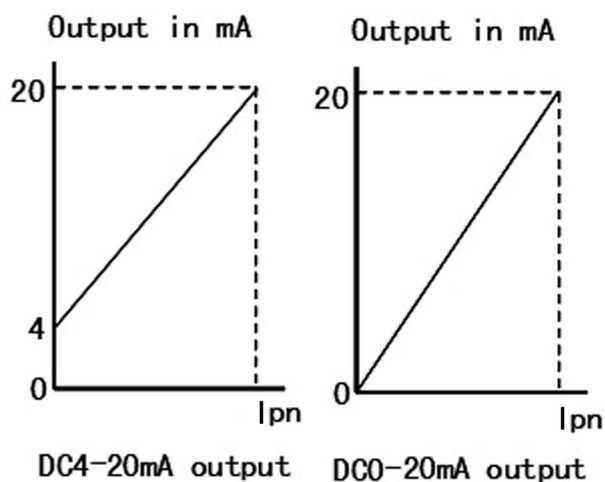


| 端子 | 接线    |
|----|-------|
| 1  | 电源 +  |
| 2  | 电源地 G |
| 3  | 输出 -G |
| 4  | 输出 +  |

端子标准: 3.52mm, 8pin 接线式连接器  
输入孔径: 20mm

## 线性关系 (Linear)

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## 使用说明 Remarks

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### 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  $\leq 500\Omega$ )