

ZNVF4 继电器

1. 线圈参数

- 1-1. 额定电压 (Rated Voltage): 12VDC;
- 1-2. 外形尺寸 (Outline Dimension) : 29x29x26.5(+16.5) mm;
- 1-3. 触点形式 (Contact Form): -A(一组常开) ; -B(一组常闭); -C(一组转换);
- 1-4. 触点材料 (Contact Material): AgSnO₂银氧化锡;
- 1-5. 重量 (Weight): 约35g;
- 1-6. 线圈电阻 (Coil Resistance): 80Ω±10%;
- 1-7. 功耗 (Norminal Operating power): 1.8W;
- 1-8. 线圈最大电压 (Max. Allowable Coil Voltage) : 15.6VDC;

2. 触点参数

- 2-1. 触点负载 (Contact Load): NO:40A/14VDC (-A);
NC:30A/14VDC(-B);
NO:40A/14VDC/NC: 30A/14VDC(-C);
- 2-2. 触点额定电流 (Rated Contact Current): 40A/14VDC(-A/-C); 30A/14VDC(-B);
- 2-3. 触点最大容量 (Max. Contact Capacity): 40A/14VDC(-A/-C); 30A/14VDC(-B);
- 2-4. 最小适用负载 (Min. Applicable Load): 0.5A或1A/6VDC
- 2-5. 最大切换功率 (Max. Switching Power): 560W(-A/-C); 420W(-B);
- 2-6. 最大切换电压 (Max. Switching Voltage): 75VDC;

3. 通用参数

- 3-1. 接触电阻 (Contact Resistance): ≤ 50mΩ;
- 3-2. 起动电压 (Starting Voltage): ≤ 7.8VDC;
- 3-3. 返回电压 (Release Voltage): ≥ 1.2VDC;
- 3-4. 启动时间 (Operating Time): ≤ 7ms;
- 3-5. 返回时间 (Release Time): ≤ 5ms;
- 3-6. 工作寿命 (Operating Life):
机械寿命 (Mechanical life): 10⁷
电气寿命 (Electrical life): 10⁵ (at rated load在额定负载下)
- 3-7. 绝缘等级 (Dielectric Strength): leak current漏电流: ≤ 1mA;
触点间: 50Hz 500V 1min
触点线圈间: 50Hz 500V 1min
- 3-8. 绝缘电阻 (Insulation Resistance): 100MΩ min. (500VDC);
- 3-9. 线圈温升 (Temperature of Coil Rise): < 55K;
- 3-10. 抗震 (Anti-vibration level): 10-40Hz double amplitude 双振幅 1.5mm;
- 3-11. 操作震动 (Operational shock): 半波正弦, 加速度为 147m/s², 脉冲持续时间 11ms;
- 3-12. 引出端强度 (Terminal Strength): 100N
- 3-13. 耐热试验 (Thermal Proof): 85℃ 2h;
- 3-14. 线圈试验 (Coil Proof): -40℃ 2h;
- 3-15. 潮湿试验 (Humidity Proof): 40℃ 以下, RH: 85% 48h;
- 3-16. 热冲击 (Thermal Shock): -40℃ ~ 85℃, 三个循环;

4. 其他

- 4-1. 标准测试条件 (Standard Test Condition)
 - 4-1.1 环境温度 (temperature): 15~35℃;
 - 4-1.2 RH相对湿度 (Humidity): 45%~75%;
 - 4-1.3 阻性负载测量方法 (Way of measurement of Contact Resistance): 100mA/24VDC

4-2. 工作条件(Operating Condition)

4-2.1 环境温度(Temperature): $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$;

4-2.2 相对湿度(Humidity): 40°C 时, , 大气压 $86 \sim 106\text{Pa}$;

4-2.3 安装方法(Mounting Direction):直插式(Plug in)

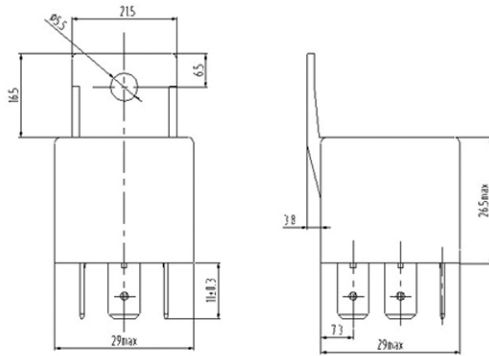
4-3. 贮藏条件(Storage Condition)

4-3.1 环境温度(Temperature): $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$;

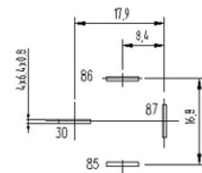
4-3.2 相对湿度(Humidity) :RH:85%

5. 安装尺寸图

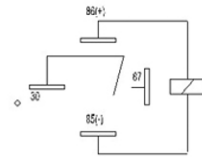
A型



DIMENSIONS
外型尺寸图

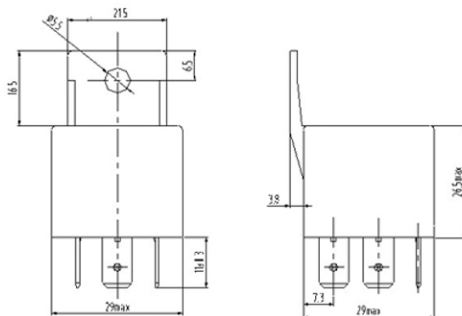


MOUNTING (BOTTOM VIEW)
安装尺寸图(底视图)

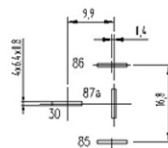


WIRING DIAGRAM
(BOTTOM VIEWS)
接线图(底视)

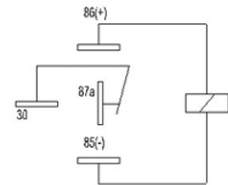
B型



DIMENSIONS
外型尺寸图

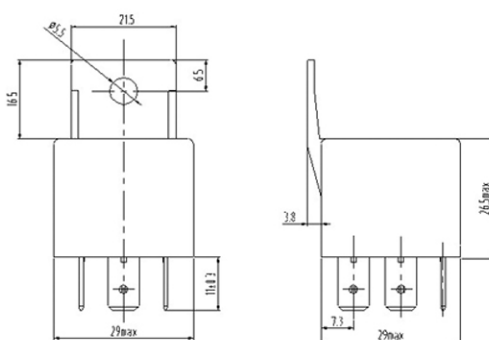


MOUNTING (BOTTOM VIEW)
安装尺寸图(底视图)

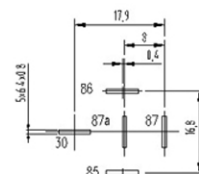


WIRING DIAGRAM
(BOTTOM VIEWS)
接线图(底视)

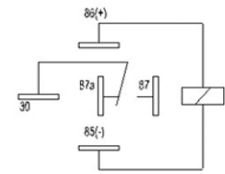
C型



DIMENSIONS
外型尺寸图



MOUNTING (BOTTOM VIEW)
安装尺寸图(底视图)



WIRING DIAGRAM
(BOTTOM VIEWS)
接线图(底视)