



型号
Model

YH231



**特性
Main Features**

小型化, 结构紧凑
Subminiature type, compact design
触点负载达12A, 120VAC/28VDC 7A 240VAC
Heavy duty, contact capacity
up to 12A, 120VAC/28VDC 7A 240VAC
低价的印刷板继电器
Low cost PCB relay

**典型应用
Typical Applications**

办公设备
Office machine
家用电器
Home appliances
音响
Audio system

| 线圈参数 Coil Data | | | | | |
|------------------------------|-------------------------------------|---------------------------------|-------------------------|---|---|
| 线圈代号 Coil Voltage Code | 额定电压 Nominal Voltage (VDC) | 线圈电阻 Coil Resistance (Ω)±10% | | 最大吸合电压 Must Operate Voltage max. (VDC) | 最小释放电压 Must Release Voltage min. (VDC) |
| | | 标准型(0.45W) Standard | 灵敏型(0.36W) Sensitive | | |
| 003 | 3 | 20 | 25 | 2.25 | 0.30 |
| 006 | 6 | 80 | 100 | 4.50 | 0.60 |
| 009 | 9 | 180 | 225 | 6.75 | 0.90 |
| 012 | 12 | 320 | 400 | 9.00 | 1.20 |
| 024 | 24 | 1280* | 1600* | 18.00 | 2.40 |
| 048 | 48 | 4500* | 6400* | 36.00 | 4.80 |

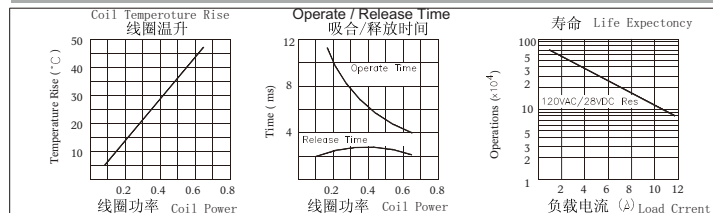
注: *±15%

| 触点参数 Contact Data | | |
|--------------------------------------|--|------------------------|
| 材料 Material | AgNi10; AgNi0.15; AgCdO; AgSnOlnO | |
| 起始接触电阻 Initial Contact Resistance | 100mΩ, max, at 0.1A, 6VDC | |
| 触点形式 Contact Form | 一组常开 H 1 Form A/ 一组常闭 D 1 Form B/ 一组转换 Z 1 Form C | |
| 额定负载 Rated Load | 12A, 120VAC/28VDC 7A, 240VAC | |
| 最大持续电流 Max.Continuous Current | 12A | |
| 寿命 Service Life | 机械 Mechanical | 1×10 ⁷ ops. |
| | 电气 Electrical | 1×10 ⁷ ops. |

| 特性参数 Characteristics | | |
|-----------------------------------|--|--|
| 吸合/释放时间 Operate / Release Time | 10ms. max / 5ms. max | |
| 绝缘电阻 Insulation Resistance | 100MΩ, at 500VDC, 50%RH | |
| 抗电强度 Dielectric Strength | 触点与线圈间: 1500V, 1分钟 Between coil and contacts: 1500Vrms, 1min. 触点与触点间: 1000V, 1分钟 Between open contacts: 1000Vrms, 1min. | |
| 冲击 Shock Resistance | 工作 破坏性 Functional: 10g, 11ms; Destructive: 100g | |
| 振动 Vibration Resistance | 双振幅 DA 1.5mm, 20-220Hz | |
| 环境温度 Ambient Temperature | -40°C to 70°C | |
| 重量 Weight | 约 10g Approx 10g | |

| UL/CSA/TUV 认可负载 UL/CSA/TUV Ratings | | |
|------------------------------------|--|--|
| 负载种类 Load Type | YH231 | |
| 阻性 Resistive | 12A, 120VAC (UL/CSA) 12A, 28VDC (UL/CSA/TUV) 6A, 250VAC (TUV) | |
| 电视 Television | 5A, 120VAC (No) (UL/CSA) | |

参考曲线 Reference Curve



订货标志 Ordering Code

YH231/ 003- H 1 A L -P

型号 Model/ 通用型 General Purpose

线圈电压 Coil Voltage/ 见线圈参数表 See Coil Data

触点形式 Contact Form/ H: 一组常开 1 Form A;
D: 一组常闭 1 Form B; Z: 一组转换 1 Form C

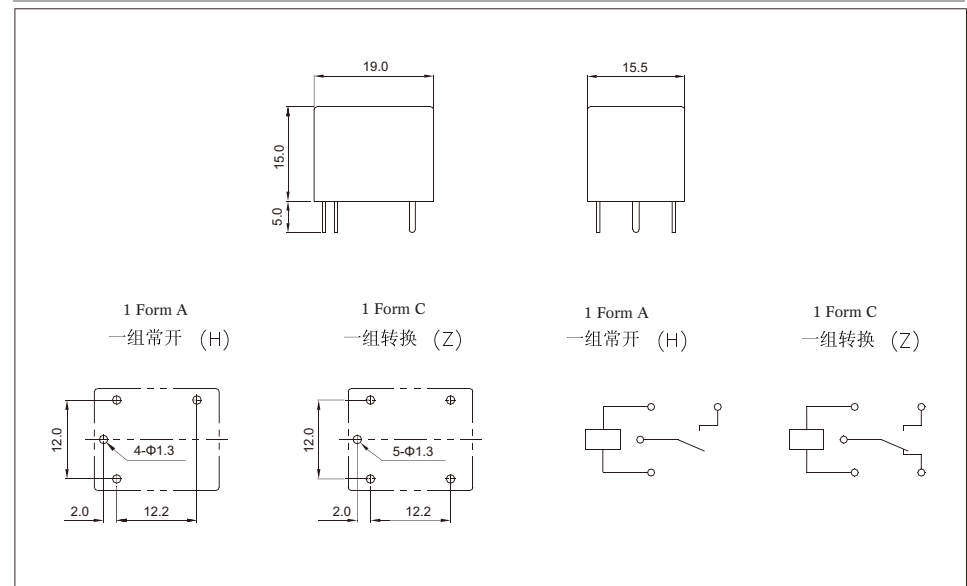
封装形式 Version/ 1: 密封 Sealed; 2: 防尘罩 Dust Cover

触点材料 Contact Material/ 无 None; AgNi10; A: AgNi0.15; C: AgCdO; S: AgSnOlnO

线圈灵敏度 Coil Sensitivity/ 无 None; 0.45W(标准 Standard); L: 0.36W(灵敏型)

环保要求 Environmental Protection/ 无 None; 含铅 Lead; P: 无铅(RoHS)

外形图, 底视开孔尺寸图, 接线图 Overall Dimensions, Mounting Holes(Bottom View), Wiring Diagrams



说明 Notes:

- 以上参数除另有规定外均以室温23度为准。
All parameters, unless otherwise specified, are measured at ambient temperature 23°C.
- 型号对照 Equivalence: OEG PCE

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