



型号  
Model

**YH231A**



**特性  
Main Features**

小型化, 结构紧凑  
Subminiature type, compact design  
触点负载达 20A 16VDC  
Heavy duty, contact capacity up to 20A 16VDC  
性能价格比高的印刷板式继电器  
Low cost PCB relay

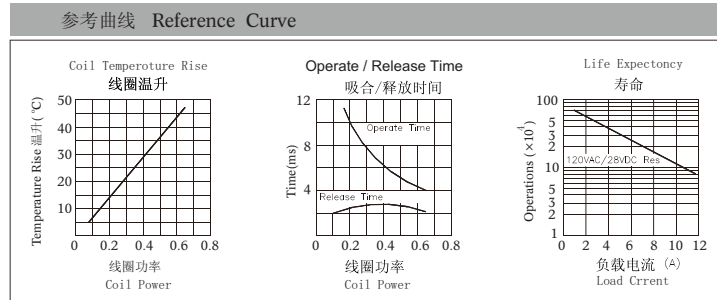
**典型应用  
Typical automotive Applications**

中央门锁  
Central door lock  
防抱死刹车  
ABS system  
安全带松紧调节  
Belt tension adjustment  
电动车窗  
Power window  
座位调节  
Seat positioning

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%)	功耗 Power Consumption (W)	最大吸合电压 Must Operate Voltage max. (VDC)	最小释放电压 Must Release Voltage min. (VDC)
006	6	45	0.8	3.2	0.6
012	12	180		6.3	1.2
024	24	720		12.6	2.4

触点参数 Contact Data		
材料 Material	AgNi10; AgNi0.15; AgCdO; AgSnOInO	
起始接触电阻 Initial Contact Resistance	100mΩ, max, at 0.1A, 6VDC	
额定负载 Rated Load Resistive	20A 16VDC	
寿命 Service Life	机械 Mechanical	1×10 <sup>7</sup> ops.
	电气 Electrical	1×10 <sup>6</sup> 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: 1000V 1分钟 Between coil and contacts: 1000Vrms, 1min 触点与触点间: 750V 1分钟 Between open contacts: 750Vrms, 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 85°C	
重量 Weight	约10g Approx 10g	



订货标志 Ordering Code

YH231A/ 006- H 1 A -P

型号 Model/ 车型 Automotive

线圈电压 Coil Voltage/ 见线圈参数参照表 See Coil Data

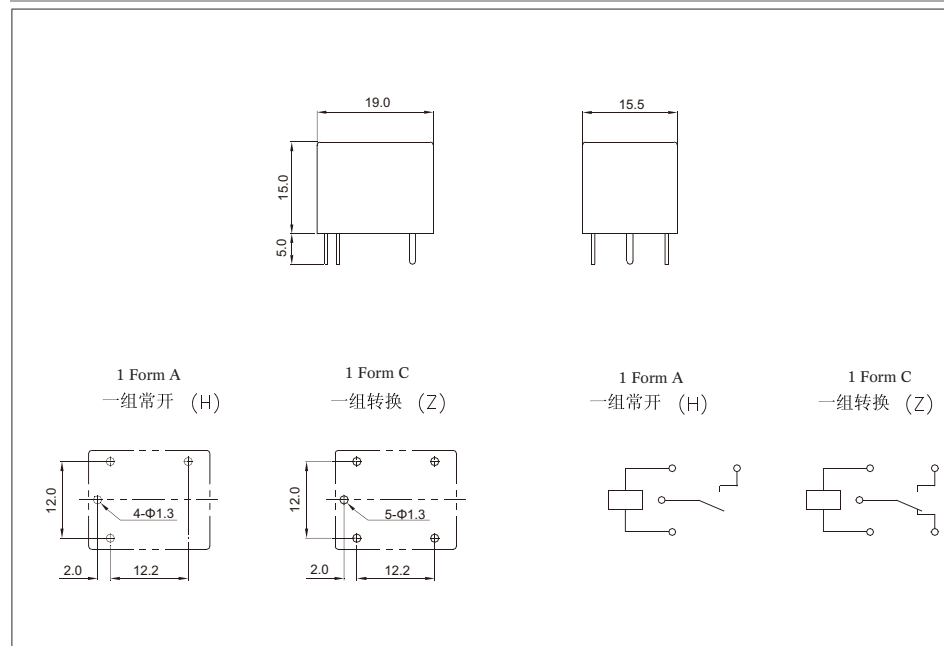
触点形式 Contact Form/ H: 一组常开 1 Form A; Z: 一组转换 1 Form C

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: AgSnOInO

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:**

1. 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.