

型号
Model

YH527



特性 Main Features

两个YH520封装在一起
Double YH520 relay in one housing
超小型构造，重量极轻
Ultraminaturized structure,
extremely light weight
最适合电机转向应用
Suitable for motor reversing
applications

典型应用 Typical automotive Applications

自动升降拉杆天线
Power antenna
电动车窗
Power window
雨刮控制
Interval wiper control
天窗控制
Sunroof control
电动方向盘控制
Steering wheel power tilt
中央门锁
Central door lock
座位调节
Seat adjustment
防盗制动装置
Immobilizer

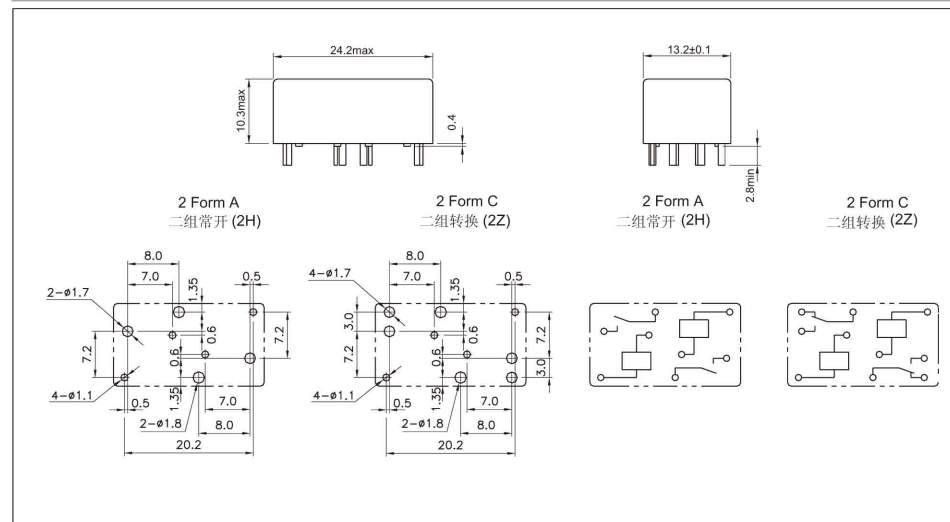
线圈参数		Coil Data					
类型 Model	线圈代号 Coil Voltage Code	额定电压 Nominal Voltage (VDC)	线圈电阻 Coil Resistance (Ω)±10%	功耗 Power Consumption (W)	最大吸合电压 Must Operate Voltage max. (VDC)	最大允许电压 Allowable Voltage (VDC)	最小释放电压 Must Release Voltage min. (VDC)
标准 Standard	006	6	64	0.55	3.5	12	0.6
	010	10	181		5.7	20	1.0
	012	12	254		6.9	24	1.2
D	006	6	45	0.8	3.5	10	0.6
	010	10	125		5.7	16	1.0
	012	12	181		6.9	20	1.2

触点参数		Contact Data	
材料	Material	AgNi0.15; AgSn0InO	
起始接触电阻	Initial Contact Resistance	100mΩ, max, at 0.1A, 6VDC	
触点形式	Contact Form	二组常开 2H 2 Form A	二组转换 Z 2 Form C 常开 NO 常闭 NC
		最大通断电流 Max.Switching Current	接通 Make 50A 25A 断开 Break 30A 25A
最大持续电流 Max.Continuous Current		30A	25A
最大通断电压 Max Switching Voltage		16VDC	
最小负载 Min. Load		AgNi0.15: 0.1A/12VDC; AgSn0InO: 0.5A/12VDC	
寿命 Sevice Life	机械 Mechanical	1×10 ⁷ ops.	
	电气 Electrical	1×10 ⁵ ops.	

特性参数		Characteristics	
吸合/释放时间 Operate / Release Time		3ms. typical / 1.5ms. typical	
绝缘电阻 Insulation Resistance		100MΩ, at 500VDC, 50%RH	
抗电强度 Dielectric Strength		500Vrms, 1min	
冲击 Shock Resistance		30g, 6ms	
振动 Vibration Resistance		6g, 10-55Hz	
跌落 Drop Resistance		可承受1米高，向水泥地面的跌落 Drop Resistance 1M height drop on concrete	
环境温度 Ambient Temperature		Operating: -40°C to 105°C; Storage: -40°C to 155°C 工作 储存	
重量 Weight		约8g Approx 8g	

		订货标志		Ordering code				
型号 Model /	无 None/ 标准(波峰焊用) M: SMC (回流焊用)	YH527/	006-	2H	1	A	D	-P
线圈电压 Coil Voltage/	006: 6VDC; 010: 10VDC; 012: 12VDC							
触点形式 Contact Form/	2H: 二组常开 2 Form A; 2Z: 二组转换 2 Form C							
封装形式 Version/	1: 密封 Sealed; 2: 防尘罩 Dust Cover							
触点材料 Contact Material/	A: AgNi0.15; S: AgSn0InO							
线圈灵敏度 Coil Sensitivity/	无 None: 0.55W(标准) Standard; D: 0.8W(D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.
 - 最大接通电流指灯载浪涌电流。
Maximum make current refers to inrush current of lamp load.
 - 在环境温度85度时最大允许电压应降低到原值的72%。
At ambient temperature of 85°C, Maximum allowable voltage should be reduced to 72%.
 - 电气寿命的条件是在常开触点上加阻性负载20A, 13.5VDC, 工作频率6次/分。
Electrical life obtained at resistive load at 20A, 13.5VDC on NO contacts with operating frequency of 6 ops/min.
 - 为获得最长的电气寿命，请在清洗工序之后去除密封型外罩上的凸台。
To exert optimum electrical life, please remove the knock-off nib of sealde version after cleaning process.
- 6.型号对照Equivalence: Tyco DMK