

型号  
Model

# YH520



**特性**  
Main Features

超小型设计, 重量极轻  
Ultraminiaturized design,  
extremely light weight  
最大持续电流为30A  
30A maximum continuous current

**典型应用**  
Typical automotive Applications

电机控制  
Motor control  
车灯控制  
Lamp control  
雨刮控制  
Interval wiper control  
后窗和座椅加热  
Rear window and seat heating

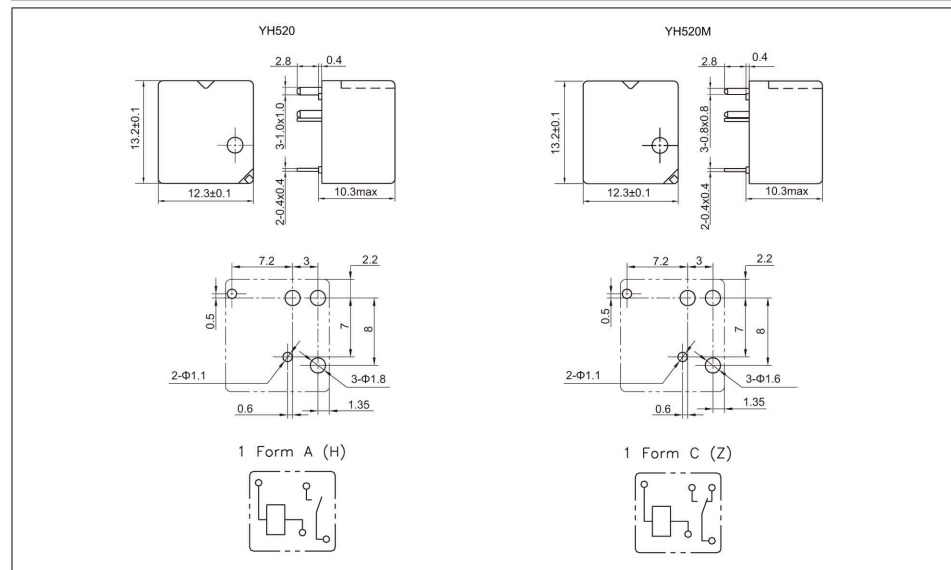
线圈参数 Coil Data							
类型 Model	线圈代号 Coil Voltage Code	额定电压 Nominal Voltage (VDC)	线圈电阻 Coil Resistance (Ω)±10%	功耗 Power Consumption (W)	最大吸合电压 Must Operate Voltage max. (VDC)	最大允许电压 Allowable Voltage (VDC)	最小释放电压 Must Release Voltage min. (VDC)
标准 Standard	006	6	64	0.55	3.5	13.2	0.6
	010	10	181		5.7	22	1.0
	012	12	254		6.9	26	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	22	1.2

触点参数 Contact Data			
材料 Material	AgNi0.15; AgSnOInO		
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	一组转换 Z 1 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; AgSnOInO: 0.5A/12VDC		
寿命 Sevice 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	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	工作 Operating: -40°C to 105°C; 储存 Storage: -40°C to 155°C	
重量 Weight	约4g Approx 4g	

订货标志 Ordering Code						
YH520/	006-	H	1	A	D	-P
型号 Model/ 无 None/ 标准(波峰焊用) M: SMC (回流焊用)						
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; Z: 一组转换 1 Form C						
封装形式 Version/ 1: 密封 Sealed; 2: 防焊剂 Flux Free						
触点材料 Contact Material/ A: AgNi0.15; S: AgSnOInO						
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。  
Maxmun 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。  
Electrial 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.
- 型号对照Equivalence: Tyco Micro