

型号
Model

YH117



特性:
Main Features

15A持续电流能力
15A continuous current capacity
六种触点形式
6 different contact forms
有敞开、防尘罩、密封式供选择
Available with open, dust cover and sealed version
面向汽车应用的设计
Automotive-oriented design

典型应用:
Typical automotive Applications

闪光灯
Flasher
雨刮
Interval wiper control
燃料泵控制
Fuel pump control
防盗报警装置
Anti-theft alarm system
后视镜自动调节
Automatic mirror adjustment
空调
Air conditioning
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

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)		最大允许电压 Allowable Voltage (VDC)	最小释放电压 Voltage min. (VDC)	
			1 Form A/B/C/U / V	1组双予转换		1 Form B / V	1 Form A / C / U / W
006	6	28	3.75	4.5	8	0.35	0.7
012	12	130	7.50	9.0	16	0.70	1.4
024	24	520	15.00	18.0	31	1.40	2.8

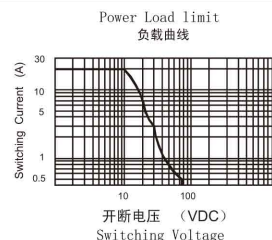
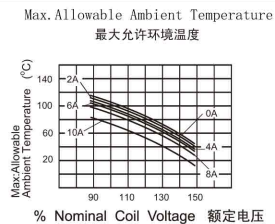
触点参数 Contact Data

材 料 Material		AgNi10; AgNi0.15; AgCdO; AgSnOInO							
起始接触电阻 Initial Contact Resistance		100mΩ, max. at 0.1A, 6VDC							
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 1 Form C Z 常开 NO 常闭 NC		一组双予转换 1 Form W(SZ) 常开 NO 常闭 NC		
	最大通断电流 Max. Switching Current	接通 Make (S: 100A) 断开 Break	60A (S: 100A)	12A	60A (S: 100A)	12A	2×40A (S: 70A)	2×8A	2×30A (S: 50A)
最大持续电流 Max. Continuous Current		15A	10A	15A	10A	2×10A	2×7A	2×7A	2×5A
最大通断电压 Max. Switching voltage		Current dependent (see curve)							
最小负载 Min. Load		0.1A/5VDC (AgNi0.15); 0.5A/5VDC (AgSnOInO)							
寿命 Service Life	机械 Mechanical	1×10 ⁷ ops.							
	电气 Electrical	2×10 ⁶ ops. (见附注4, See Note4)							

特性参数 Characteristics

吸合/释放时间 Operate / Release Time	5ms. typical / 1.5ms. typical	
绝缘电阻 Insulation Resistance	100MΩ, at 500VDC, 50%RH	
抗电强度 Dielectric Strength	500Vrms, 1 min.	
冲击 Shock Resistance	10g, 11ms.	
振动 Vibration Resistance	Functional: NO: 20g, NC: 10g, 10-200Hz	
环境温度 Ambient Temperature	Operating: -40°C to 85°C; 储存: -40°C to 155°C 工作 贮存	
重量 Weight	Open: 约8g; Covered: 约12g approx.	
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	
线圈功耗 Power Consumption	1.1W	

参考曲线 Reference Curve



订货标志 Ordering Code

YH117/ 006- H 1 A -P

型号 Model

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; SH: 一组双予常开 1 Form U
SD: 一组双予常闭 1 Form V; SZ: 一组双予转换 1 Form W

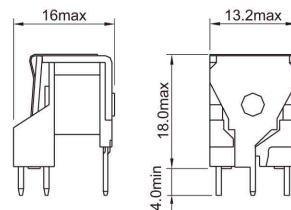
封装形式 Version/ 无 None; 敞开 Open; 1: 密封 Sealed; 2: 防尘罩 Dust Cover

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

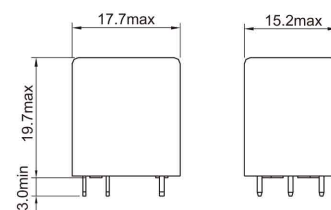
环保要求 Environmental Protection/ 无 None; 含铅 Lead; P: 无铅 (RoHS)

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

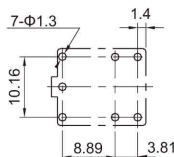
敞开式 Open



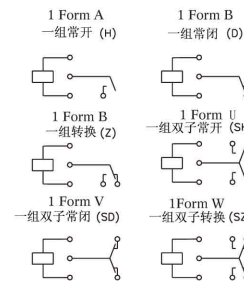
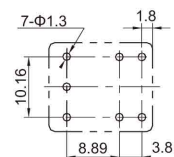
有罩式 Covered



敞开式 Open



有罩式 Covered



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: A、B、C、U、V触点10A, 15VDC; W触点7A, 15VDC, 阻性或感性负载, 触点接适当的灭弧电路。动作频率为每秒一次
Electrical life obtained at resistive or inductive load at 10A, 15VDC for 1 for 1 form A/B/C/U/V, 7A, 15VDC for 1 form W, with suitable arc-suppression circuit attached with operating frequency of 1 ops/sec.
- 为得到最长的电气寿命,请在清洗工序后去除密封型外罩上的凸台。
To extend optimum electrical life, please remove the knock-off nib of sealed version after cleaning process.
- 型号对照: Equivalence: Tyco Mini Power K, P&B VKM