

型号
Model

YH182



特性
Main Features

小型插拔式设计
Micro size plug-in design
40A触点持续电流能力
40A continuous current capacity
防尘罩式、密封型可用于恶劣环境
Dust cover and sealed version available for rough environment protection
有印刷板式端子供选择
Available in PCB termination

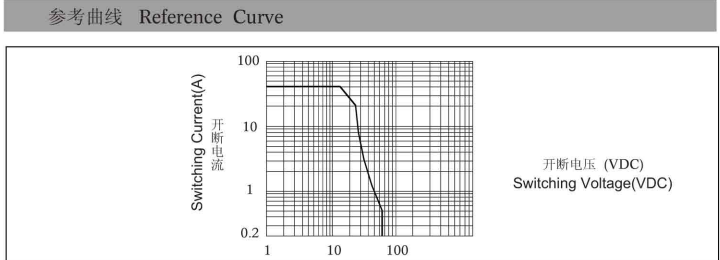
典型应用
Typical automotive Applications

鼓风机控制
Blower motor control
排气扇电机
Ventilation motor
压缩机控制
Compressor control system
散热器冷却风扇
Radiator cooling fan
驻车加热器
Stationary heating
控制大灯的远、近光
Head lights, full beam/dimmed
雾灯
Fog lamp

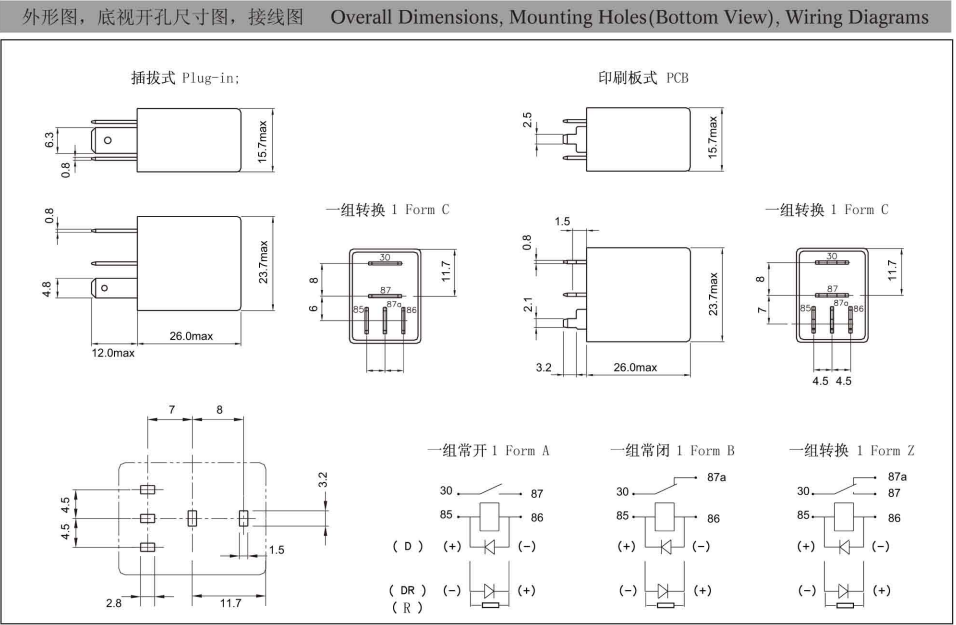
线圈参数 Coil Data									
线圈代号 Coil Voltage Code	额定电压 Nominal Voltage (VDC)	线圈电阻 Coil Resistance (Ω)±10%		功耗 Power Consumption (w)	最大吸合电压 Must Operate Voltage max. (VDC)	最大允许电压 Allowable Voltage max. (VDC)		最小释放电压 Must Release Voltage min. (VDC)	并联电阻 With Resistor 可选择 (Ω)
		A,B	C			A	B		
006	6	32	25	1.2 (A,B) 1.5 (C)	3.6	10.4	9.2	0.6	170
012	12	123	97		7.2	20.4	18.1	1.2	680
024	24	483	384		14.4	40.4	36.0	2.4	2720

触点参数 Contact Data						
材 料 Material			AgNi10; AgNi0.15; AgCdO; AgSnOInO			
起始接触电阻 Initial Contact Resistance			50mΩ, 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	
					常开 NO	常闭 NC
最大通断电流 Max. Switching Current	接通 Mak	90A(S:120A)	45A	90A(S:120A)	45A	
	断开 Break	40A	30A	40A	30A	
最大持续电流 Max.Continuous Current		40A	30A	40A	30A	
最大通断电压Max Switching Current dependent			See Curre			
最小负载 Min. Load			AgNi0.15: 0.1A/12VDC; AgSnOInO: 0.5A/12VDC			
寿命 Sevice Life	机械 Mechanical	1×10 ⁶ ops.				
	电气 Electrical	2×10 ⁵ ops. See note4				

特性参数 Characteristics		
吸合时间	Operate Time	9ms. typical
释放时间	Release Time	7ms. 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	20g, 11ms.
振动	Vibration Resistance	双振幅 10-40Hz: DA 1.27mm; 40-70 Hz: 5g; 70-100Hz: DA 0.5mm; 100-500 Hz: 10g
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 -40℃ to 125℃; Storage: -40℃ to 155℃
重量	Weight	约 Plng-in 插拔式: 21g; PCB印刷板式: 19g approx.



订货标志 Ordering Code									
		YH182/	006-	R	H	4	1	A	-P
型号	Model								
线圈电压	Coil Voltage/		006: 6V DC; 012: 12V DC; 024: 24V DC						
并联元件	Pareheled Component/								
无 None ; R: 电阻 Resistor ; D: 二极管 Diode DR:反接二极管;BD:双向二极管									
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						
安装形式及引出端子	Mounting Version/		无 None: 插拔式 Plug-in; 4: 印刷板 PCB						
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;						
环保要求	Environmental Protection/		无 None: 含铅 Lead ; P: 无铅 (RoHS)						



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℃ .

2. 最大接通电流指灯载浪涌电流。
Maximum make current refers to inrush current of lamp load.

3. 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℃, Maximum allowable voltage should be reduced to 72%.

4. 电气寿命的条件是阻性或感性负载40A, 15VDC, 触点接适当的灭弧电路, 动作频率为每秒1次。
Electrical life obtained at resistive or inductive load at 40A, 15VDC with suitable arc-suppression circuit attached with operating frequency of 1 ops/sec.

5. 型号对照: Equivalence: Tyco Micro A, P&B VFM