



型号  
Model

YH138

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 Prower Consumption	最大吸合电压 Must Operate Voltage max. (VDC)	最小释放电压 Must Release Voltage min. (VDC)
直流/DC	005	5	27	0.9W	3.75	0.5
	006	6	40		4.50	0.6
	009	9	97		6.75	0.9
	012	12	155		9.00	1.2
	024	24	660		18.00	2.4
	048	48	2560 *		36.00	4.8
	110	110	10330 *		82.5	11.0

注: \* ±15%

触点参数 Contact Data

材料 Material		AgCdO; AgSnOInO			
起始接触电阻 Initial Contact Resistance		100mΩ, max, at 0.1A, 6VDC			
触点形式 Contact Form	电压 Voltage	一组常开 H 1 Form A	一组常闭 D 1 Form B	一组转换 Z 1 Form C	
额定负载阻性 Rated Load Resistive	240VAC 28VDC	30A	15A	20A	10A
最大通断电流 Max. Switching Current		30A	15A	20A	10A
最大持续电流 Max. continuous current		30A	15A	20A	10A
最大开断功率 Max. Switching Power		8.31kVA, 900W	4.155kVA, 450W	5.54kVA, 600W	2.77kVA, 300W
最大通断电压 Max. Switching Voltage		277VAC/30VDC			
最小负载 Min. Load		1A, 5VDC/12VAC			
寿命 Service Life	机械 Mechanical	1×10 <sup>7</sup> ops.			
	电气 Electrical	1×10 <sup>7</sup> ops.			

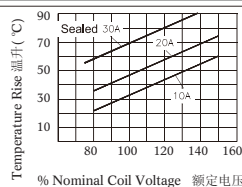
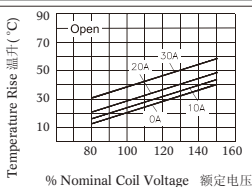
UL/CSA认可负载 UL/CSA Ratings

负载种类 Load Type	电压 Voltage	一组常开 (H) 1 Form A	一组常闭 (D) 1 Form B	一组转换 (Z) 1 Form C	
				NO	NC
通用 Genetal. Purpose	240VAC	30A	15A	20A	10A
阻性 Resistive	240VAC 28VDC	30A 20A	15A 10A	20A 10A	10A 5A
电机 Motor	240VAC 120VAC	2HP 1HP	0.5HP 0.25HP	2HP 1HP	0.5HP 0.25HP
电机球转/顺转 LRA/FLA	240VAC 120VAC	80A/30A 98A/22A	30A/10A	50A/20A	20A/7A
灯载 Tugsten	120VAC	TV5	TV3	TV5	TV3
镇流器 Bauast	277VAC	10A	3A	10A	3A

特性参数 Characteristics

吸合/释放时间 Operate / Release Time	15ms. max / 10ms. max.	
绝缘电阻 Insulation Resistance	1000MΩ, at 500VDC, 50%RH	
抗电强度 Dielectric Strength	Between coil and contacts; 2500Vrms, 1min Between open contacts; 1500Vrms, 1min 触点与触点	
冲击 Shock Resistance	工作 Functional: 10g, 11ms. 破坏性 Destructive: 100g	
振动 Vibration Resistance	双振幅 DA 1.5mm, 10-55Hz	
环境温度 Ambient Temperature	工作 Operating: -55°C to 85°C; Storage: -40°C to 130°C	
重量 Weight	Open: 28g; Covered: 33g approx.	

参考曲线 Reference Curve



特性 Main Features

30A 开断能力  
30A switching capacity  
印刷板+快速插头连接  
PCB+Quick connect termination  
符合UL508和873间距要求  
Leet UL508/873 spacing

典型应用 Typical Applications

电源 Power supply device  
工业控制 Industrial controls  
家用电器 Home appliances  
加热、制冷、排气 Heating, refrigeration and ventilation



订货标志 Ordering Code

YH138/ A 1H 1 O S W -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/ 1H: 一组常开 1 Form A; 1Z: 一组转换 1 Form C

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

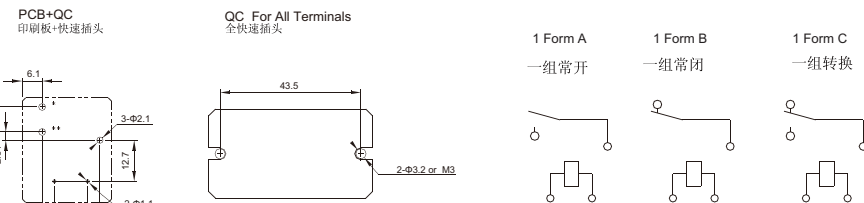
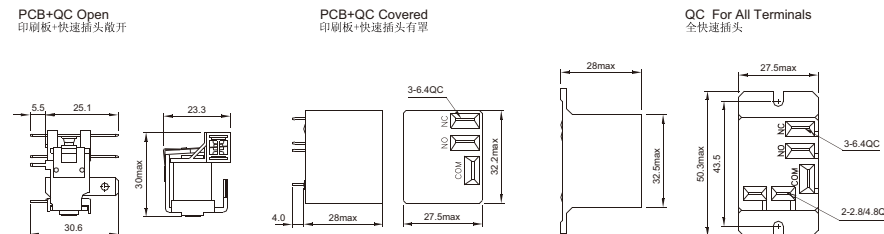
安装方式 Munting/ O: PCB; 1: 板前安装 Panel Mount

触点材料 Contact Material/ 无 None: AgCdO; S: AgSnOInO

线圈快速插头尺寸 CoilQC Size/ 无 None: 2.8mm(0.110"); W: 48mm(0.187")

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.)
- 安装开孔图中, A规格不用\*号孔, B规格不用\*\*号孔。  
In mounting Holes drawing, the \* hole is not needed for 1 Form A (1H), the \*\* hole is not needed for 1 Form B (1D).
- 为得到最长的电气寿命, 请在清洗工具之后将密封性外罩上的胶带去, 使罩内透气。  
To exert optimum electrical life, please remove the tape of sealed version after cleaning process.
- 型号对照: Equivalence: P&B T91. Matsushita JT. Omron G7G.

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