

型号
Model

YH181

线圈参数 Coil Data

线圈代号 Coil Voltage Code	额定电压 Nominal Voltage (VDC)	线圈电阻 (Ω)±10% Coil Resistance		最大吸合电压 Must Operate Voltage max. (VDC)	最小释放电压 Must Release Voltage min. (VDC)
		标准型 (0.6w) Standard (0.6)	大间隙 (0.8w) BigGap (0.8w)		
006	6	60	45	3.6	0.5
009	9	135	100	5.4	0.6
010	10	167	123	6.3	0.9
012	12	240	180	7.3	1.2
024	24	960	120	14.4	2.4

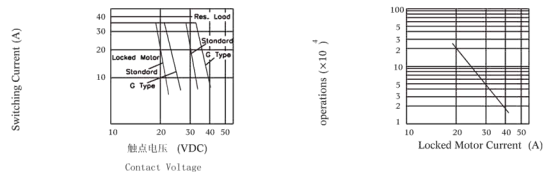
触点参数 Contact Data

材料 Material		AgNi0.15; AgSnOInO AgCdO	
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
		一组双子常开 SH 1 Form U	
最大通断电流 Max. Switching Current	接通 Make	60A	
	断开 Break	20A	
最大持续电流 Max.Continuous Current		35A, 10 min; 25A, 1 hr	
最小负载 Min. Load		0.1A/12VDC	
最大通断电压 Max Switching Voltage		16VDC	
寿命 Sevice Life	机械 Mechanical	1×10 ⁵ ops.	
	电气 Electrical	1×10 ⁷ ops. see note 3	

特性参数 Characteristics

吸合/释放时间 Operate/ Release Time	10ms. typical / 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	Functional: 10g, 11ms.	
振动 Vibration Resistance	双振幅 DA 1.5mm, 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: standard 高温标准-40℃ to 125℃ 工作标准 -30℃ to 85℃ Storage:储存标准-40℃ to 100℃	
重量 Weight	约6克 Approx	

参考曲线 Reference Curve



订货标志 Ordering Code

YH181/ 006- H 1 S G -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;Z: 一组转换 1 Form C;SH 一组双子常开 1 Form U

封装形式 Version/ 1: 密封 Sealed; 2: 防尘罩 Dust Cover

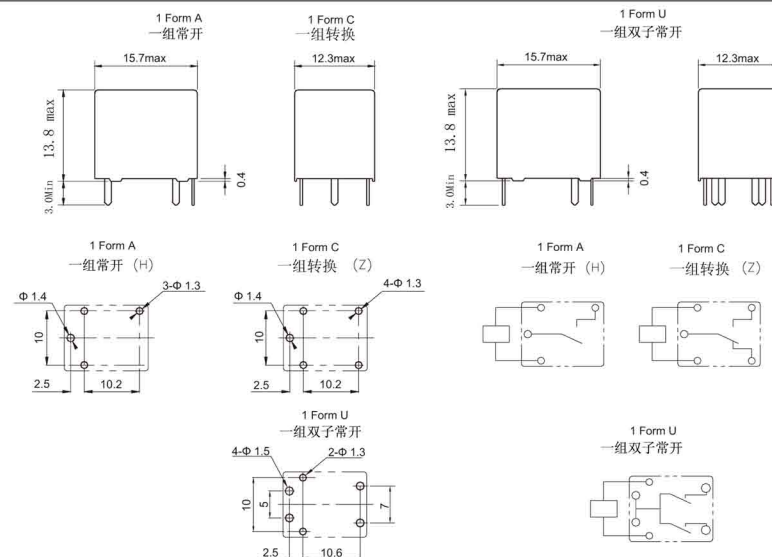
触点材料 Contact Material/ A: AgNi0.15; C: AgCdO; S: AgSnOInO

触点间隙 Contact Gap/ 无 None: 标准 Standard; G:大间隙 Big Gap

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

一组双子常开型产品不能提供大间隙 1 Form U not supply BigGap

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25度为准。
All parameters, unless otherwise specified, are measured at ambient temperature 25℃.
- 最大接通电流指电机负载浪涌电流。
Maximum make current refers to inrush current of motor load.
- 1组常开、1组转换的电气寿命的条件是电机负载, 堵转20A, 14VDC或者阻性负载10A 14VDC; 一组双子常开的电气寿命的条件是阻性负载2x6A, 14VDC, 工作频率6次/分。
Electrical life of 1 Form A, 1 Form C obtained at motor load of locked rotor at 20A,14VDC or resistive load of 10A,14VDC; 1 Form U at 2x6A, 14VDC resistive with operating frequency of 6 ops/min.
- 电气寿命在很大程度上取决于切换频率, 通断比、环境条件和可靠性水平。
Electrical life is strongly dependent of switching frequency. ON/OFF ratio,environmental conditions and level.
- 型号对照: Equivalence: Fujitsu FBR51-52