AFE®
Electronic

IATF16949 ISO9001 ISO14001认证企业
IATF16949 ISO9001 ISO14001 certification enterprises

BJH系列 Seris

小型大功率继电器
Small high power relay

产品特点

●10A触点切换能力,产品类型结构为1A/1B/1C
10A Contact swiching capability，The product type structure is 1A/1B/1C
●超小型（20×10.1×15.2）标准印刷版引出脚
Subminiature(20×10.1×15.2)standad pinting plate lead out pin
●塑封型和防焊剂型可选择
plastis sealing type and anti flux type are optional
●选择耐高温环保材料，更好的提高产品稳定性
Select high temperature resistant and environment-friendly materials to better improe the stability of products
●符合REACH ROHS 指令,
Comply with reach RoHS Directive，
●BJH系列产品浪涌电压为10000V
The surge voltage of BJH series products is 10000V

触点负载 Contact Rating

触点形式 contact form	1A 1B 1C
触点材料 contact material	银合金 AgSnO2
额定负载(阻性) Rated load (Resistance)	10A 125VAC 5A 250VAC 1/6HP 277VAC
最大切换电压 Max. switching Voltage	250VAC
最大切换电流 Max. switching Current	10A
最大切换功率 Max.switching power	1250VA
电耐久性 Electrical durability	1A:5×10^4次(5A/250VAC) 阻性，室温1S ON/9S OFF 1C:5×10^4次 5A/3A 250VAC 阻性，室温1S ON/9S OFF
机械耐久性Mechanical	1×10^7次 每小时10800次

备注：1.上述值为初始值
remarks:The above values are initial values

安规认证 Safety certification

UL/CUL E356168	5A/3A 250VAC 10A 125VAC 16HP 277VAC
TUV R50245489	5A 250VAC 3A 250VAC
CQC CQC11002063401	5A 250VAC 3A 250VAC

性能参数Performance Parameter

绝缘电阻 Insulation resistance		500MΩ(500VDC)
吸合时间（额定电压下） Operate Time		≤10ms
释放时间（额定电压下） Release Time		≤5ms
介质耐压 Dielectric Strength	断开的触点间BOC	1000VAC 50/60Hz 1分钟
	触点与线圈间BCC	4000VAC 50/60Hz 1分钟
浪涌电压（线圈与触点间） Surge voltage(BCC)		10KV(1.2/50us)
湿度 humidity		5%～85%RH
温度范围Temperature Range		-40℃～85℃(不结冰) (NO freezing)
接触电阻 Contact Resistance		≤100mΩ(1A 6VDC)
冲击Shock	稳定性 Error Operation	98m/s^2
	强度Endurance	980m/s^2
振动vibration		10Hz～55Hz 1.5mm双振幅
线圈温升 Coil temperature rise		35℃ Max
重量Weight		约7克 about7g
封装方式Type of Sealing		防尘罩型The flux type

典型用途 Typical use

●空调、家用电器
●Air conditioning household appliances
●汽车、加热器和通风装置
●Automobiles,heaters and ventilators

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线圈参数Coil Specification (at 23 ℃)

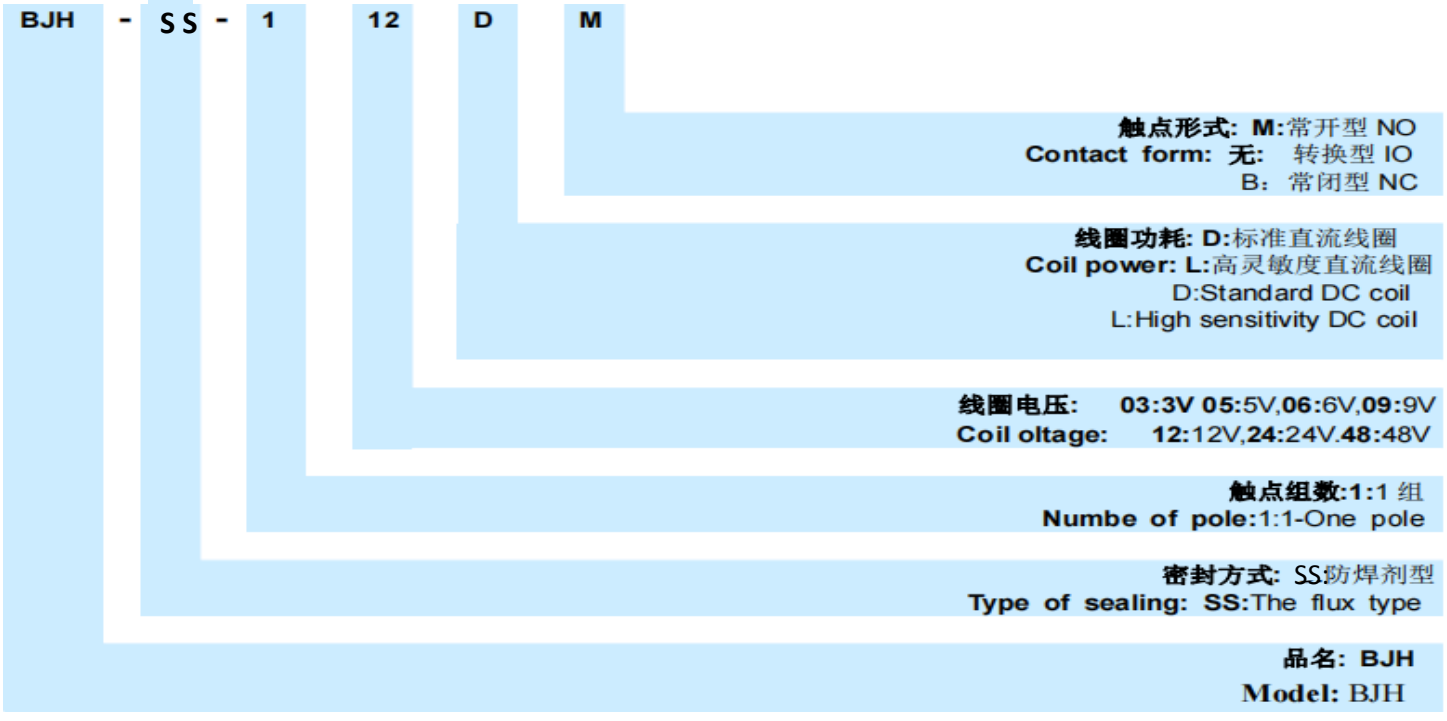
线圈灵敏度 Coil sensitivity	额定电压 Nominal Voltage (VDC)	额定电流 Rated current (mA)	线圈电阻 Coil Resistance (Ω ±10%)	额定功率 Rated power (w)	吸合电压 Pull-In Voltage (Max)	释放电压 Drop-Out Voltage (Min)	最大电压 Maximum Voltage (Max)
BJH-D BJH-DM	3	133	22.5	约0.4W about	额定电压的 Rated voltage 75%	额定电压的 Rated voltage 10%	额定电压的 Rated voltage 130%
	5	80	62.5				
	6	66.6	90				
	9	44.5	202				
	12	33.3	360				
	24	16.6	1440				
BJH-L BJH-LM	3	66.6	45	约0.2W about			
	5	40	125				
	6	33.3	180				
	9	22.2	405				
	12	16.6	720				
	24	8.5	2800				

备注：1.上述值为初始值remarks:The above values are initial values

2.最大电压是指继电器线圈在短时间内能够承受的最大值

The maximum voltage refers to the maximum value that the relay coil can withstand in a short time

订货标记Ordering lnformation



备注：

1.在洁净环境（不含H2S、SO2、NO2、粉尘等污染物）下使用时，推荐使用防焊剂型产品

2.在污染焊剂（含一定量的H2S、SO2、NO2粉尘等污染物）下使用时建议选用塑封产品，并请在实际使用中进行确

3.当继电器装入PCB版焊接后，如需进行整体清洗或表面处理，请与我司联系，以便商定合适的焊接条件、合格的产品规格。

remarks:

(1)When using in clean enbironment （without H2S SO2 NO2 dust and other pollutants),
it is recommended to Use flux resistant products. When using in polluted environ ment(with a certain amount of H2S SO2 NO2dust and other pollutants), it is recom mended to use plastic encapsulated products.please confirm in actual use.

(2)After the relay is installed into the PCB board for welding, if it needs overall cleaning or surface treatment,
please Contact me to negotiate the appropriate welding conditions and product specifications.

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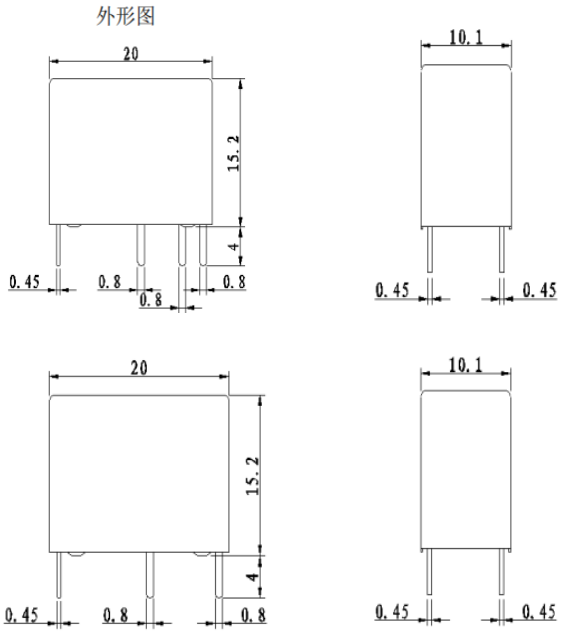
类别category

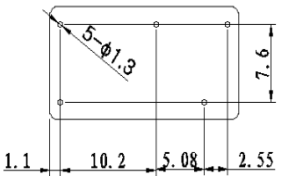
型号 model	BJH					
线圈灵敏度 Coil sensitivity	标准直流线圈 Standard DC coil			高灵敏度直流线圈 High sensitivity DC coil		
	1A	1B	1C	1A	1B	1C
防焊剂型 The flux type	BJH-SS-1□□DM	BJH-SS-1□□DB	BJH-SS-1□□D	BJH-SS-1□□LM	BJH-SS-1□□LB	BJH-SS-1□□L

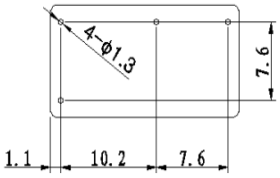
外形尺寸、接线、安装孔位图
Overall dimension,wiring and installation hole bitmap

外形图
Layman chart

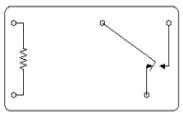


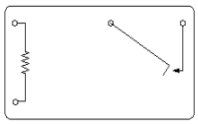
接线图(底视图）
Installation hole bitmap





安装孔位图(底





备注:

1. 产品外形图的引脚标注尺寸为沾锡前尺寸（沾锡后会变大），安装孔尺寸为推荐的PCB板孔的设计尺寸，具体PCB板孔设计尺寸可根据产品实物进行测绘、调整.
2. 产品部分外形尺寸未注尺寸公差，当外形尺寸≤1mm,公差为±0.2mm;当外形尺寸在（1～5）mm之间时，公差为±0.3mm；当外形尺寸＞5mm，公差为±0.4mm
3. 安装孔尺寸中未注尺寸公差为±0.1mm

DISCLAIMER:

1. The pin dimension in the outline drawing or the product is the dimension before dipping tin(lt gets bigger when stained with tin)The size of mountin hole is the recommended design size of PCB hole The specific PCB hole design size can be mapped and adjusted according to the actual product
2. The overall dimension of the product il not marked with dimensional tolerance,when teh overall dimension≤1mmTolerance is±0.2mm When the overall dimension is(1～5)mm Between Tolerance is±0.3mm When the overall dimension＞5mm,Tolerance is±0.4mm
3. The dimension tolerance of mounting hole without dimension injection is ± 0.1 mm

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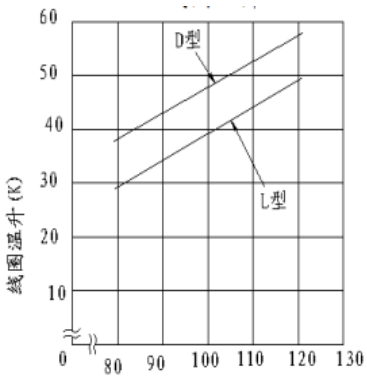
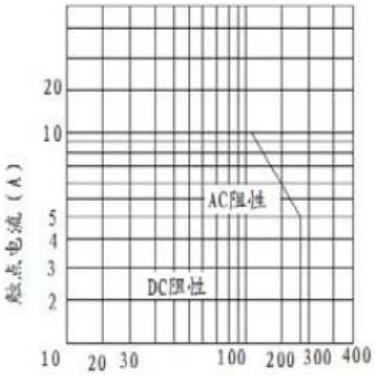
性能曲线图 Performance Curve

线圈温升
Coil temperature rise



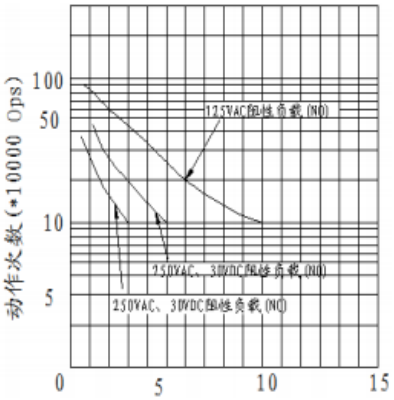
线圈功耗
Coil power consrmption(W)

动作时间Action time



线圈功耗
Coil power consrmption(W)

寿命曲线 Life curve



触点电流
Contact current(A)