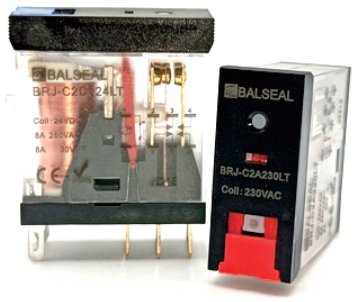
BALSEAL

BRJ系列中间继电器

可插拔继电器/ Interface Relay-pluggable

产品特性/ Features

大容量主触点,全系镀金材质
Large-capacity main contacts, gold-plated for full series.
1C/O触点12A　2C/O触点8A
-1C/O contact 12A 2C/O contact 8A
线圈规格满足各种工业应用场合
-Coil specifications suit a wide range of industrial applications.
机械指示窗，功能测试杆(可选)
-Mechanical indicator window, function test lever (optional)
LED指示动前置作清晰可见
-Clear LED status indication for operation.



技术参数/ Technical Data

接触电阻	Contact resistance	≤50mΩ	≤50mΩ
动作电压	Operating voltage	DC:≤75%,AC:≤80%(额定电压)	DC: ≤75% rated voltage, AC: ≤80% rated voltage
释放电压	Release voltage	DC:≤10%,AC:≤30%(额定电压)	DC: ≤10% of rated voltage, AC: ≤30% of rated voltage
动作时间	action time	≤20ms 以下	Less than 15ms
释放时间	release time	≤10ms 以下(无二极管) /20ms (含二极管)	Less than 10ms (without diode) / 20ms (with diode)
介质耐压	Medium pressure resistance	触点间 1000VAC (漏电流1min) 异极触点间 3000VAC (漏电流1min) 线圈与触点间 5000VAC (漏电流1min)	1000VAC between contacts (1 min) 3000VAC between opposite-pole contacts (leakage current withstand for 1 min) 5000VAC between coil and contacts (withstand leakage current for 1 min)
绝缘电阻	Insulation resistance	≤1000MΩ (500VDC)	≤1000MΩ (500VDC)
耐振动性	Vibration resistance	误动作 10-55HZ (双振幅1.0mm)	Malfunction 10-55Hz (dual amplitude 1.0mm)
耐冲击性		10G (正弦半波脉冲:11ms)	10G (half-sine pulse: 11ms)
电气耐久性	Electrical durability	≥100,000 次	≥100,000 times
机械耐久性	Mechanical durability	≥10,000,000 次	≥10,000,000 times
使用环境温度	Use ambient temperature	-40~55 ℃ (工作) ; -40~85℃ (储存)	-40~55℃ (operating); -40~85℃ (storage)
使用环境湿度	Use ambient humidity	5-85% RH	5-85% RH

触点特性/Contact characteristics

触点构成	Contact composition	转换型 (1 form C)	1 form C	转换型 (2 form C)	2 form C
接点材质	Contact material	银合金+镀金	Ag alloy+gold plated	银合金+镀金	Ag alloy+gold plated
触点负载 Contact load	阻性 lmpedance 马达 The motor	12A (1 C/0) 1/3HP,240VAC(1C/0)	12A (1 C/0) 1/3HP,240VAC(1C/0)	8A (2 C/0) 1/6HP,240VAC(1C/0)	8A (2 C/0) 1/6HP,240VAC(1C/0)
最大切换电流	Maximum switching current	12A	12A	8A	8A
最大切换功率	Maximum switching power	3000VA/360W	3000VA/360W	2000VA/240W	2000VA/240W
最小适用负载	Minimum applicable load	DC5V, 1mA	DC5V, 1mA	DC5V, 1mA	DC5V, 1mA

线圈特性 /Coil characteristics

(V/DC)			(V/AC)		
额定电压 (V/DC)	额定电流 (mA)	线圈阻抗 (Ω)	额定电压 (V/AC)	额定电流 (mA)	线圈阻抗 (Ω)
12DC	44.4	270±10%	12AC	93.0	63±10%
24DC	22	1100±10%	24AC	46.5	240±10%
48DC	11	4300±10%	48AC	25	1085±10%
110DC	4.8	22800±10%	110/110AC	11.0/13.0	6300±10%
			220/240AC	5.0/5.9	23000±15%

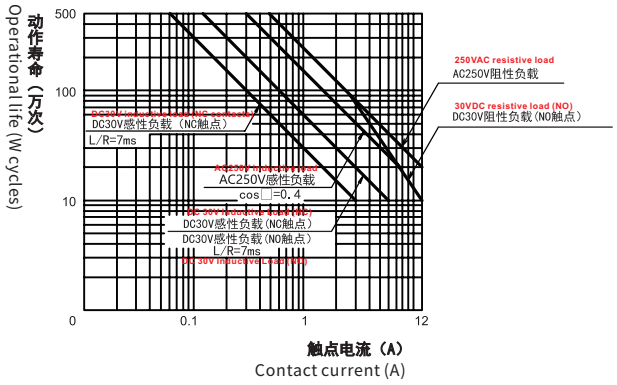
继电器型号命名/ Relay Select Code

- 需要根据使用情况选择
  You need to choose based on the usage.
- 产品型号代码
  Product model code

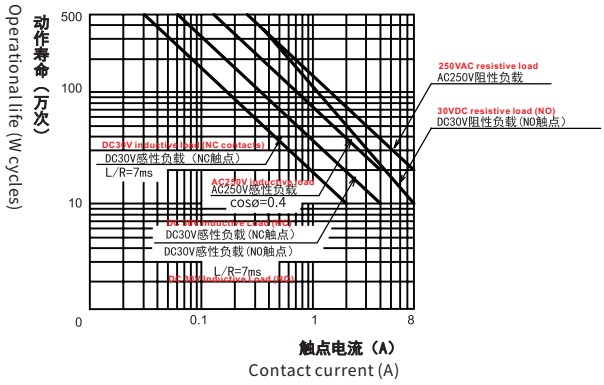
BRJ-C	1	D	024	L	T
系列代码 **Series code**	**触点数量** **Number of contacts** 1 :1C/O 2 :2C/O	**控制类型** **Control type** D:直流/VDC A:交流/VAC	**控制电压** **control voltage** 012: 12VDC 024: 24VDC 230: 230VAV	**功能定义** **Function definition** L:指示灯/LED	**特殊要求** **special request** T:测试按钮/test button

性能曲线图/ Performance curve

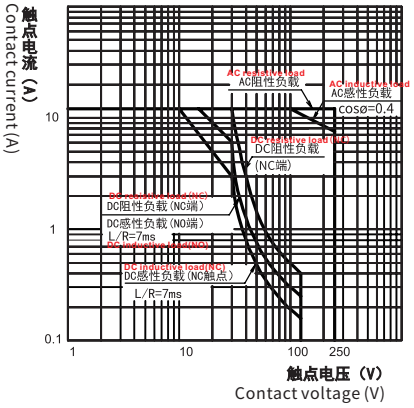
寿命 1 Form C



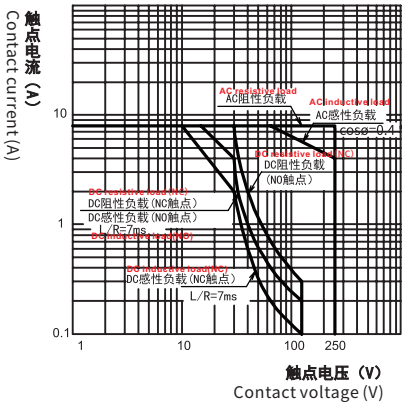
寿命 2 Form C



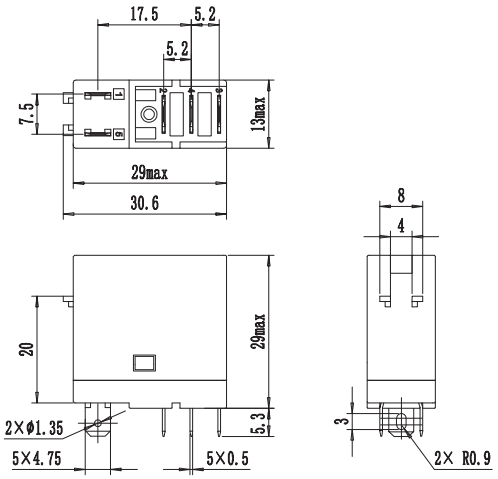
开关容量 1 Form C



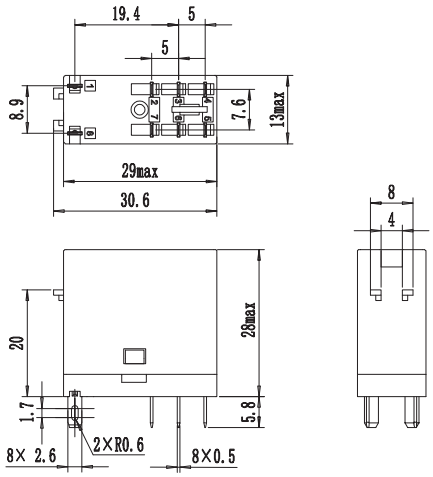
开关容量 2 Form C



外形尺寸图/ Dimensions



标准型 1 Form C

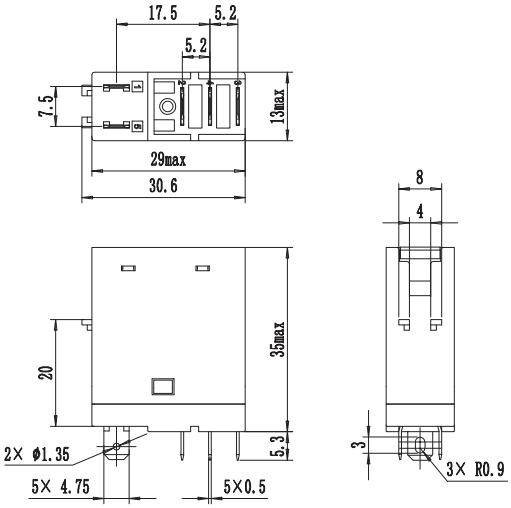


标准型 2 Form C

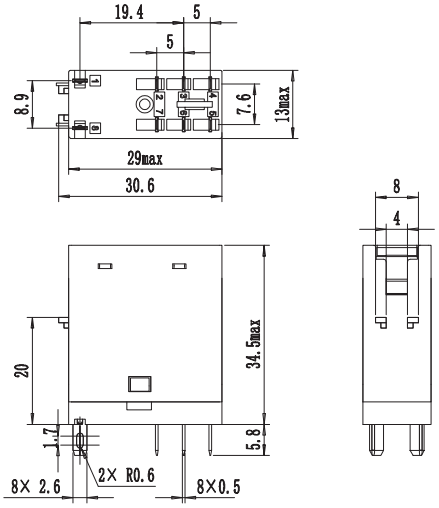
BALSEAL

BRJ系列中间继电器

外形尺寸图/ Dimensions



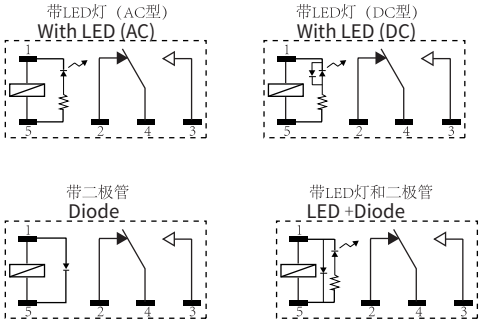
Test button type/ 测试按钮型 1 Form C



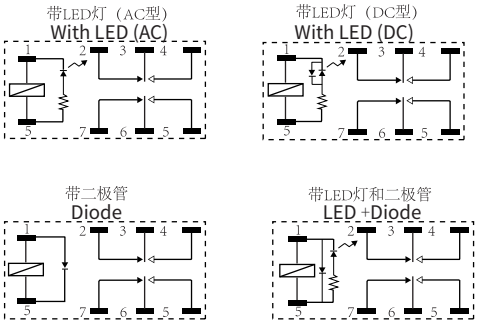
Test button type/测试按钮型 2 Form C

接线图/ Wiring Diagram

转换型 （ 1form C）



转换型 （ 2form C）



注:1、DC规格产品请注意线圈极性、在确认线圈极性后正确接线。
2、未注尺寸公差:<1mm为+0.2mm,<1_5mm为+0.3mm,>5mm为0.4mm。

Note:
1. For DC specification products, please pay attention to the coil polarity and connect the wires correctly after confirming the coil polarity.
2. Unspecified dimensional tolerances: <1mm is +0.2mm, <1-5mm is +0.3mm, >5mm is 0.4mm.