BRJ系列紧凑型中间继电器

可插拔继电器/ Interface Relay-pluggable

产品特性/ Features

低高度，仅为20.6mm
-Low height, only 20.6mm
1C/O触点10A/16A　2C/O触点5A/8A
-1C/O contact 10A/16A　2C/O contact 5A/8A
触点与线圈间介质耐压5kV
-Dielectric withstand voltage between contacts and coil: 5kV
灵敏型产品功耗仅为0.54W
-The power consumption of the sensitive product is only 0.54W.
DC：6V，12V，24V，48V 等
-DC: 6V, 12V, 24V, 48V, etc.
配有多种插座也可直接焊接于线路版
Equipped with multiple sockets, it can also be directly soldered to the circuit board.
符合CE、RoHS标准
Compliant with CE and RoHS standards



技术参数/ Technical Data

接触电阻　Contact resistance		100mΩ 以下（DC6V 1A）	Below 100mΩ (DC6V 1A)
动作电压　Operating voltage		80% 以下（常温环境）	80% The following (at room temperature)
释放电压　Release voltage		10% 以上（常温环境）	10% or more (at room temperature)
动作时间　action time		25ms 以下	Less than 25ms
释放时间　release time		25ms 以下	Less than 25ms
介质耐压 Medium pressure resistance		线圈与触点 5000VAC（1min）	Coil and contacts 1500VAC (1 min)
		断开触点 1000VAC（1min）	Disconnect contact 1000VAC (1 min)
耐浪涌电压　Surge voltage withstand		10KV（1.2/50μs）	
绝缘电阻　Insulation resistance		1000MΩ（500VDC）	
耐振动性 Vibration resistance		误动作 10-55HZ　（双振幅1.5mm）	Malfunction 10-55Hz (dual amplitude 1.5mm)
		耐 久 10-55HZ　（双振幅1.0mm）	Durability 10-55Hz (dual amplitude 1.0mm)
耐冲击性 Impact resistance		稳定性 100m/s² （10g）	Stability: 100 m/s² (10 g)
		耐 久 1000m/s² (100g)	Durability 1000m/s² (100g)
电气耐久性　Electrical durability		1×10^5 次	1×10^5 times
机械耐久性　Mechanical durability		1×10^7 次	1×10^7 times
使用环境温度　Use ambient temperature		-40~70℃ 工作/Work	-40~85℃ 储存/store

触点特性/Contact characteristics

触点构成　Contact composition	转换型　（1 form C）	转换型　（1form C）H	转换型　（2orm C）
接点材质　Contact material	$AgSnO_2$,AgNi,AgCdO	$AgSnO_2$,AgNi,AgCdO	$AgSnO_2$,AAgNi,AgCdO
触点负载　Contact load	10A 250VAC/30VDC	16A 250VAC/28VDC	5A 250VAC/280VDC
最大切换电流　Maximum switching current	10A	16A	5A
最大切换功率　Maximum switching power	1250VA	3840VA／480W	1250VA/150W

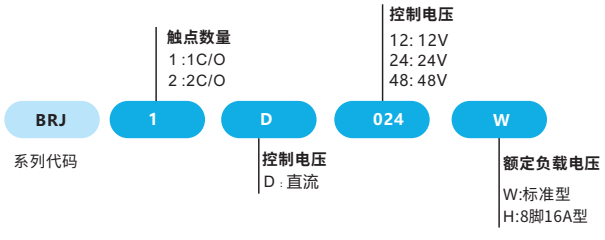
线圈特性 /Coil characteristics

（V/DC）

额定电压（V/DC） Rated voltage	线圈阻抗（Ω） coil impedance	动作电压（V/DC） Operating voltage	释放电压（V/DC） Release voltage	最大电压（V/DC） maximum voltage
6	50×（1±104）	4.50	0.6	7.8
12	200×（1±104）	9.00	1.2	15.6
24	820×（1±104）	18.00	2.4	31.2
48	3300×（1±104）	36.00	4.8	62.4

继电器型号命名/ Relay Select Code

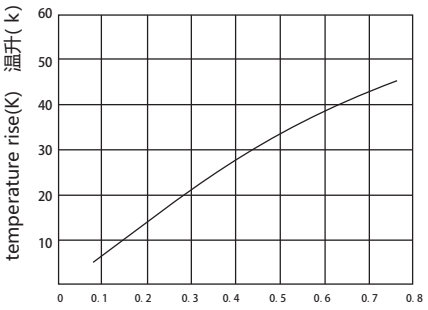
■ 需要根据使用情况选择
■ 产品型号代码



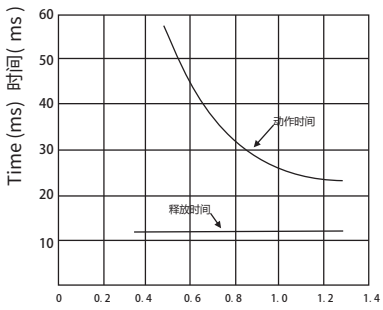
BALSEAL®

性能曲线图/ Performance curve

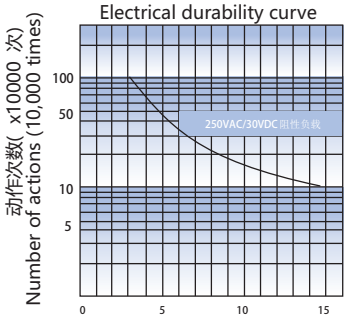
线圈温升　Coil temperature rise



动作时间 action time

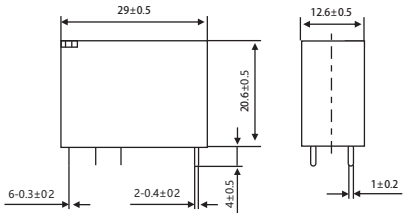


电耐久性曲线
Electrical durability curve

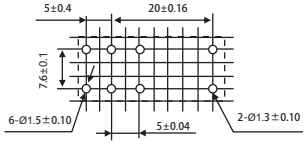


外形尺寸图/ Dimensions

转换型 （1form C）

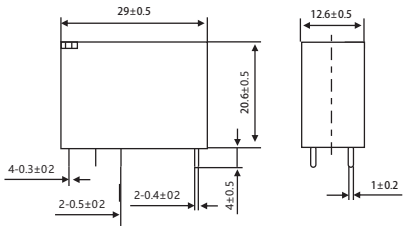


diagram/外型图

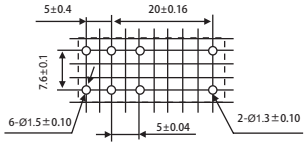


Dimensions/安装孔(底)

转换型 （2form C）

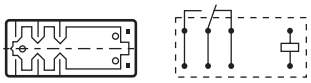


diagram/外型图

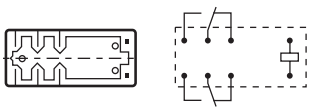


Dimensions/安装孔(底)

接线图/ Wiring Diagram



Wiring /接线图(底)



Wiring /接线图(底)

继电器插座/ Relay socket



SRW * E



SRW * S

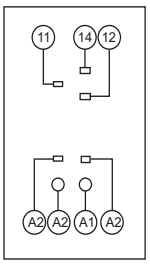
性能特性/Specifications / Features

插座类型/Socket Type	SRW 1 E	SRW 2 E
额定负载 电流/Current	16A	16A
Rated Load **电压**/Voltage	300V	300V
介质耐压/Withstand Voltage	2000V/S 触点间 /Between contacts	2000V/S触点间 /Between contacts
螺钉扭矩/Screw Torque	1.0Nm	1.0Nm
外连接导线/External connecting wire	20-14/0.5-2.5AWG/MM^2	20-14/0.5-2.5AWG/MM^2
使用环境/Operating Environment	-40 ~ +70℃	-40 ~ +85℃

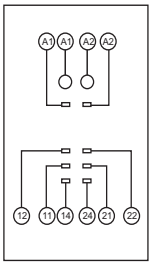
性能特性/Specifications / Features

插座类型/Socket Type	SRW-1-S	SRW-2-S
额定负载 电流/Current	16A	16A
Rated Load **电压**/Voltage	300V	300V
介质耐压/Withstand Voltage	2000V/S 触点间 /Between contacts	2000V/S 触点间/Between contacts
螺钉扭矩/Screw Torque	1.0Nm	1.0Nm
外连接导线/External connecting wire	20-14/0.5-2.5AWG/MM^2	20-14/0.5-2.5AWG/MM^2
使用环境/Operating Environment	-40 ~ +70℃	-40 ~ +85℃

接线图 SRW1E/SRW2E Series

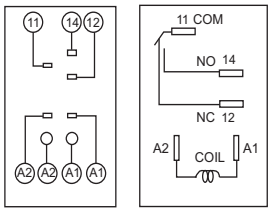


Wirlng D iagram/接线图

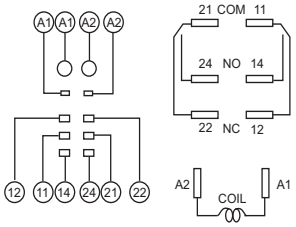


Wirlng D iagram/接线图

接线图 SRW1S/SRW2S Series

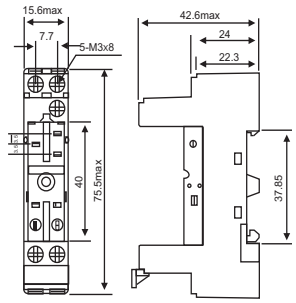


Wirlng Diagram/接线图

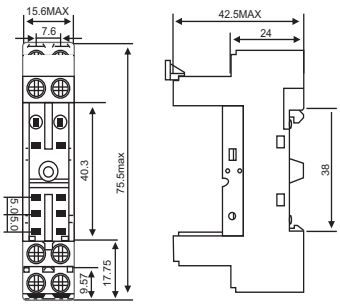


Wirlng Diagram/接线图

机械尺寸 SRW1E/SRW2E Series

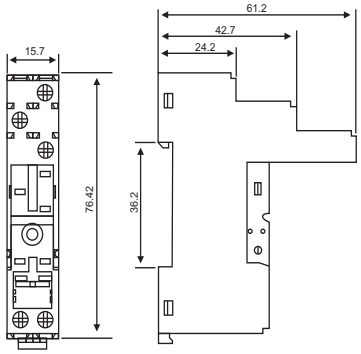


Series/SRW-1-E

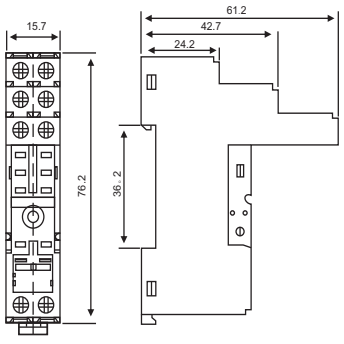


Series/SRW-2-E

机械尺寸 SRW1S/SRW2S Series



Series/SRW-1-S



Series/SRW-2-S

继电器插座/ Relay socket

SRJ-1-P/SRJ-2-P
直插式继电器插座

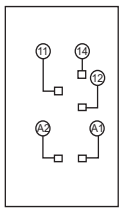




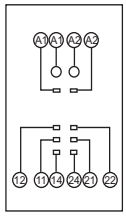
性能特性/Specifications / Features

插座类型/Socket Type	SRW-2-T	SRW-2-P
额定负载 **电流**/Current	10A	10A
Rated Load **电压**/Voltage	300V	300V
介质耐压/Withstand Voltage	2000V/S 触点间 /Between contacts	2000V/S 触点间 /Between contacts
螺钉扭矩/Screw Torque	1.0Nm	1.0Nm
外连接导线/External connecting wire	20-14/0.5-2.5AWG/MM^2	20-14/0.5-2.5AWG/MM^2
使用环境/Operating Environment	-40 ~ +70℃	-40 ~ +70℃

接线图 SRW1T/SRW2T Series

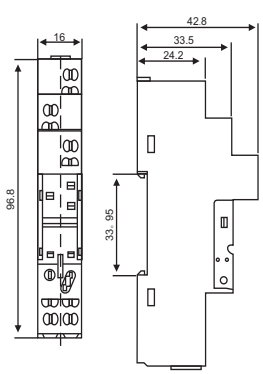


Wirlng Diagram/接线图

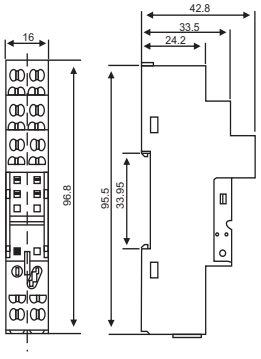


Wirlng Diagram/接线图

机械尺寸 SRW2T Series



Series/SRW-1-T/ SRW-1-P



Series/SRW-2-T/ SRW-2-P