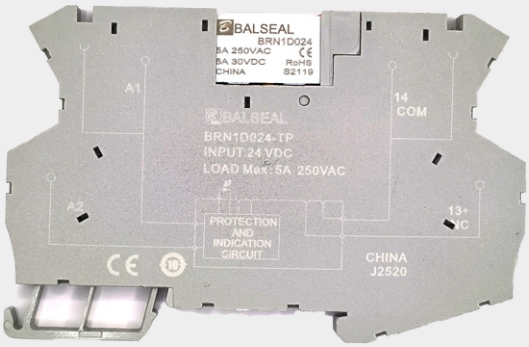
BALSEAL

BRN Series intermediate relays

Module Introduction

Relay Automation Components

① Relay





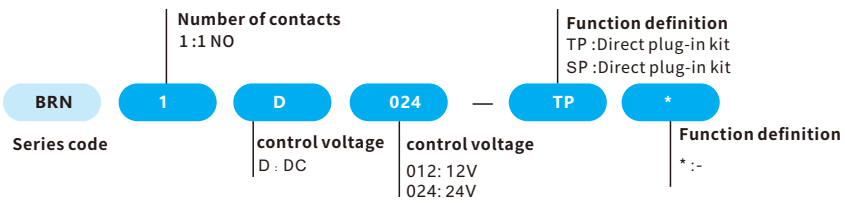
② Linkbridge



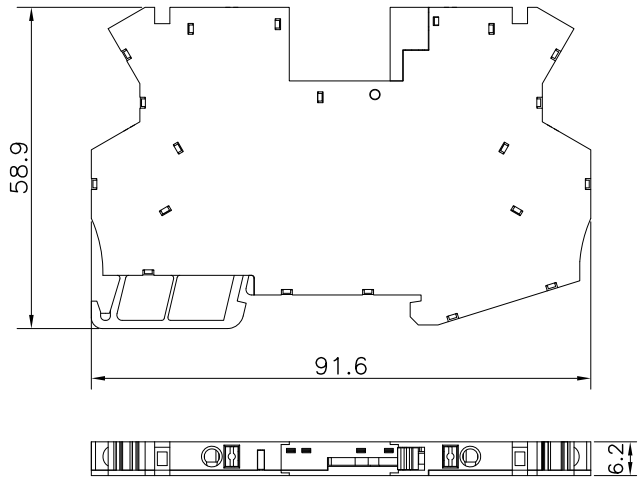
Type		BRN1D024-TP
Nominal load	Current	5A
	Voltage	250V
Dielectric strength		3000V/min
Stripping length		10mm
Minimum wire diameter		1x0.5mm² 1x21 AWG
Maximum wire diameter		1x2.5mm² 1x14 AWG
Mechanical life		2x10²
Connection method		Push-in connection
Ambient temperature range		-40℃~+85℃
Socket coil end input voltage		(12-24)V AC/DC
Applicable relay coil voltage		(12-24)V DC

RoHS CE

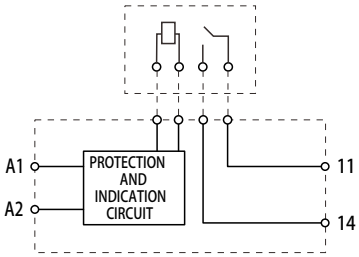
Relay Select Code



Dimensions

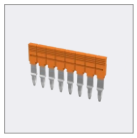


Wiring Diagram

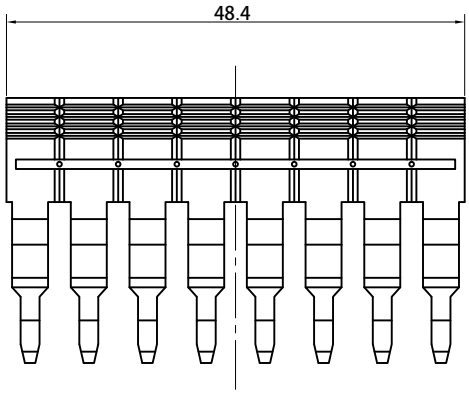


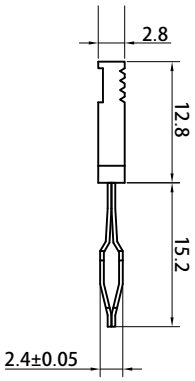
Accessory

Jumper



SLN-T-C(Orange)	SLN-T-B(Blue)	SLN-T-R(Red)	SLN-T-KBlack)

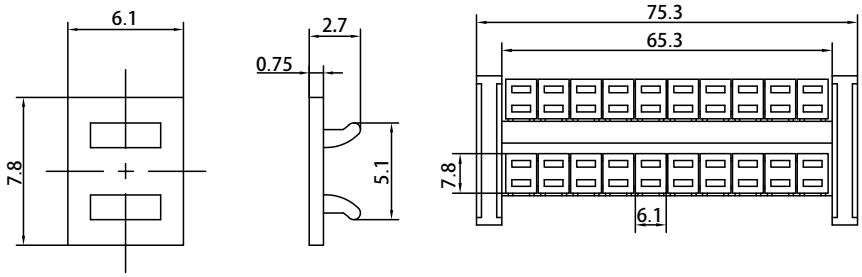




Tablet



LSN-T-2



Relay Automation Components

① Relay socket

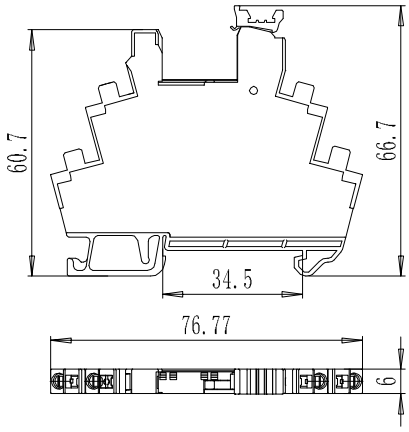




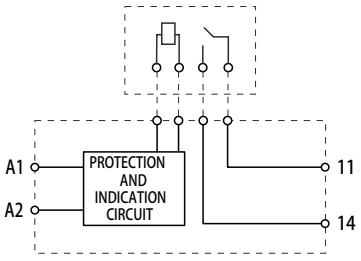
② Link bridge

Type		BRN1D024-SP
Nominal load	Current	6A
	Voltage	250V
Dielectric strength		4000V/min
Stripping length		7mm
Minimum wire diameter		1x0.5m㎡ 1x21 AWG
Maximum wire diameter		1x2.5m㎡ 1x14 AWG
Mechanical life		约2x10²
Connection method		Push-in connection
Ambient temperature range		-40℃~+85℃
Socket coil end input voltage		(24)V AC/DC
Applicable relay coil voltage		(24)V DC

Dimensions



Wiring Diagram



Interface Relay-pluggable

MAGNETIC RELYA
BRN1D024 1 NO

- 5A contact switching capability
- High sensitivity, power consumption is 0.12W.
- The contacts are made of silver alloy material, ensuring highly reliable contact and excellent durability.
- Ultra-thin, ultra-small
- CE, RoHS



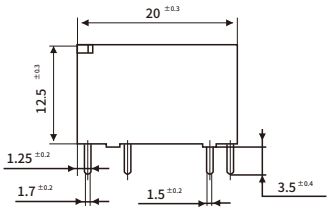
Technical Data

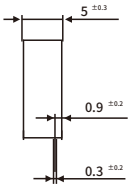
Type		BRN1D024
Contact arrangement		1 a
Contact material		Ag alloy
Load		
-Impedance		5A 250VAC/30VDC
Max.switching	voltage	Max. 250 VAC / 30VDC
Max.switching	current	Max. 5A
Allowable capacity		Max. 1250VA / 150W
Contact resistance		Min. 6VDC 1A 100mΩ the following
Electrical endurance		1x10 ^{5}Second-rate
Mechanical endurance		1x10 ^{7}Second-rate

Characteristics

Operating time(at rated voltage)		≤10ms
Release time		≤5ms
Ambient temperature(at	rated voltage)	-40 °C~+85 °C
Environmental	humidity	5%~85%RH
Termination		PCB
Packaging method		Plastic sealed
Weight		~3g
Dielectric strength		
- Contacts coil		3000VAC 1Min
- Between open contacts		1000VAC 1Min
Shock resistance		
- Functional		98m/s ^{2}
- Destructive		980m/s ^{2}
Vibration resistance		10~55Hz Dual Amplitude: 1.5mm
Insulation resistance		≥ 1000MΩ(500VDC)

Dimensions



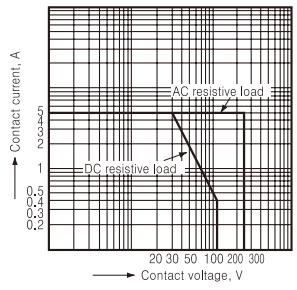


Wiring Diagram

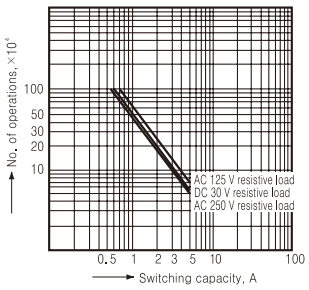


Endurance Curve

1. Max. switching capacity



2. Life Curve



3. Operate & release time

