BALSEAL

BRT Series Ultra-Thin Relay Set

Module Introduction

Relay Automation Components

Features

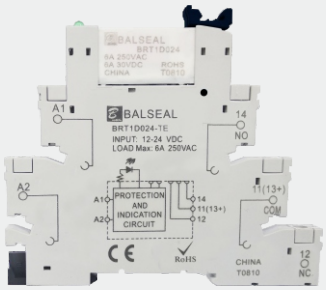
The ultra-thin intermediate relay is only 6mm wide.
High current, 6A contact switching capability
High sensitivity, power consumption 0.17W
Standard configuration includes easy-to-maintain LED indicator lights.
The socket has built-in overvoltage protection.
CE,RoHS

Application scope:

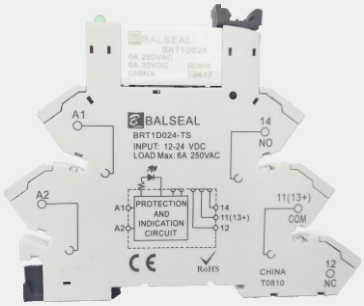
Ultra-thin size, ultra-large capacity
The BRT series has become the preferred choice for system integrators, and we look forward to seeing more applications from you:

- Papermaking equipment
- machine tool
- thermal power
- process control
- Plastic machinery

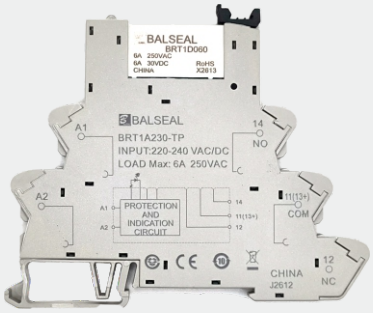
Screw mounting kit



Pull-out type mounting kit



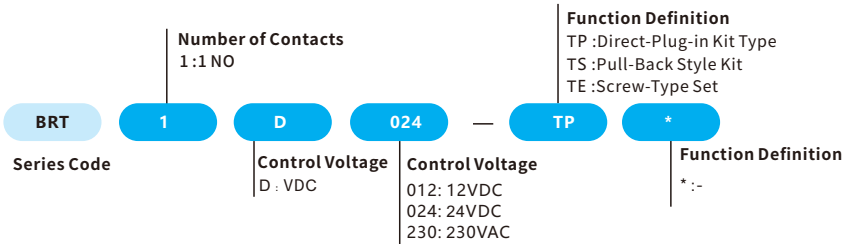
Plug-in installation kit



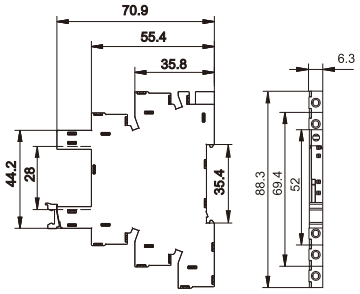


Type		BRT1D024-TE	BRT1D024-TS	BRT1D024-TP
Nominal load	Current	6A	6A	6A
	Voltage	250V	250V	250V
Dielectric strength		2500V/min	2500V/min	2500V/min
Stripping length		10mm	10mm	10mm
Minimum wire diameter		1x0.5mm² 1x21 AWG	1x0.5mm² 1x21 AWG	1x0.5mm² 1x21 AWG
Maximum wire diameter		1x2.5mm² 1x14 AWG	1x2.5mm² 1x14 AWG	1x2.5mm² 1x14 AWG
Connection method		screw connection	Pull-back connection	Push-in connection
Ambient temperature range		-40℃~+85℃	-40℃~+85℃	-40℃~+85℃
Socket coil end input voltage		(12-24)V AC/DC	(12-24)V AC/DC	(12-24)V AC/DC
Applicable relay coil voltage		(12-24)V DC	(12-24)V DC	(12-24)V DC

Relay Select Code

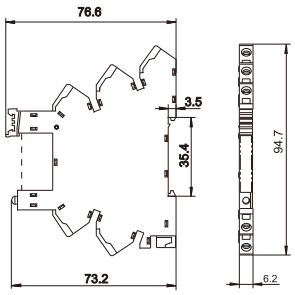


Dimensions



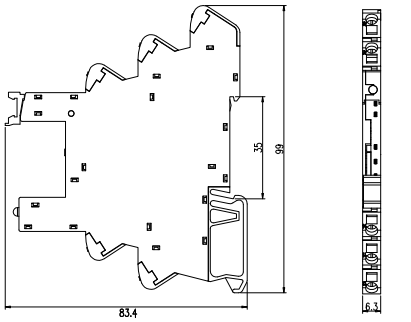
BRT1D024-TE
Dimensions

(Top view)



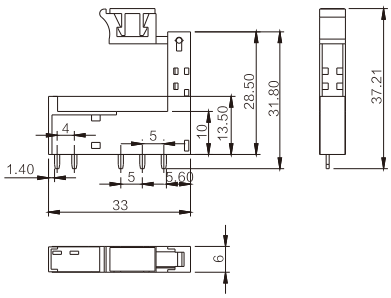
BRT1D024-TS
Dimensions

(Top view)



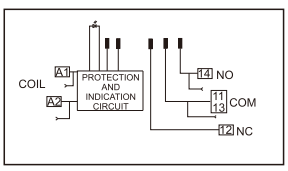
BRT1D024-TP
Dimensions

(Top view)

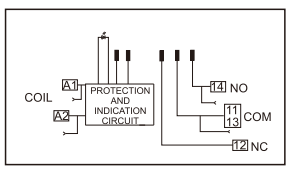


BRT1W
PCB Dimensions

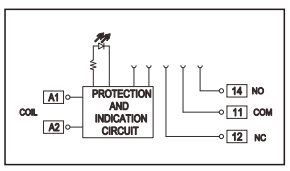
Wiring Diagram



BRT1D024-TE
Wiring Diagram



BRT1D024-TS
Wiring Diagram



BRT1D024-TS
Wiring Diagram

Interface Relay-pluggable

MAGNETIC RELYA
BRT1D024 1 C/O

- 6A contact switching capability
- High sensitivity, power consumption is 0.17W.
- The relay dielectric withstand voltage between the coil and the contacts is 4KV.
- Ultra-thin, ultra-small, only 5mm thick
- CE, RoHS



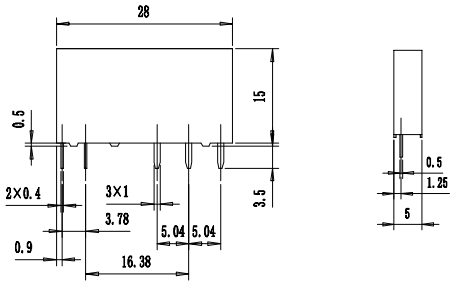
Technical Data

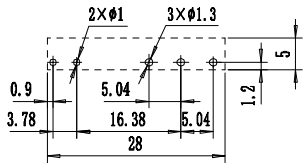
Type		BRT1D024	BRT1D060
Contact arrangement		1 C/O	
Contact material		Ag alloy	
Load			
- Impedance		6A 250VAC/30VDC	
Max.switching	voltage	Max. 250 VAC / 30VDC	
Max.switching	current	Max. 6A	
Allowable capacity		Max. 1500VA / 180W	
Insulation resistance		Min. 500VDC 1000mΩ the following	
Electrical endurance		1x10 ^{5}Second-rate	
Mechanical endurance		1x10 ^{7}Second-rate	

Characteristics

Operating time(at rated voltage)	⩽8ms
Release time	⩽4ms
Ambient temperature(at rated voltage)	-40 ℃~+85 ℃
Environmental humidity	5%~85%RH
Termination	PCB
Packaging method	Plastic sealed
Weight	~5g
Dielectric strength	
-Contacts coil	4000VAC 1Min
-Between open contacts	1000VAC 1Min
Shock resistance	
- Functional	98m/s ^{2}
- Destructive	980m/s ^{2}
Vibration resistance	10~55Hz Double Amplitude: 1.5mm
Insulation resistance	⩾1000MΩ(500VDC)

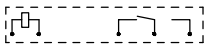
Dimensions



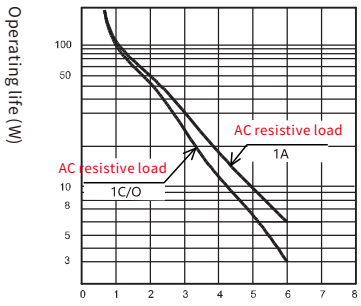


PCB diagram

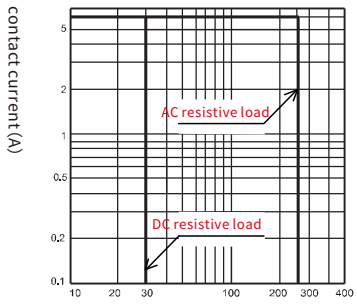
Wiring Diagram



Endurance Curve



contact current (A)



contact current (A)