General-Purpose EMR

Features

- Low coil power consumption.
- Small size and low cost.
- Sealed type is available.
- Lead - Free (*LF*) products available.
- UL recognized.

Order Code

BTR- 12 10 - S8 - A
a b c d e

a: Relay Model

b: Nominal Coil Voltage

c: Contact Rating Current : 10=10 Amper ; 15=15 Amper;
20=20 Amper (Only 800mW)

d Coil Power : Nil=Standare(360mW) ; S8=800mW

e: Contact Form : Nil=1 Form C ; A=1 Form A ; B=1 Form B

Coil Data-Standard Type (at 20℃)

Nominal voltage DC±10%[V]	Coil Resistance ± 10% (ohm)		Max. Operate Voltage (VDC)	Min. Release Voltage (VDC)	Max. Allowable Voltage (VDC)
	0.36W	0.8W			
3	25	11.2	75%	10%	110%
5	69	31.2			
6	100	45			
9	225	101.2			
12	400	180			
24	1600	720			
48	6400	2880			

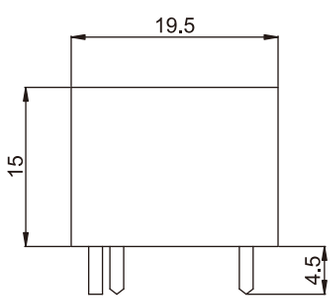
Contact Rating

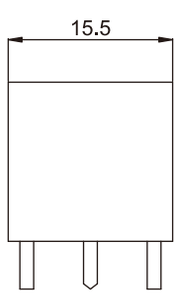
Contact Form	1 Form A ; 1 Form B ; 1 Form C		
Contact Rating	0.36 W		0.8 W
	10A 120VAC / 24VDC	15A 120VAC / 24VDC	20A 120VAC/16VDC
	7A 250VAC	10A 250VAC	10A 250VAC
Max. Switching Voltage	250VAC / 30VDC		
Max. Switching Current	10A	15A	20A

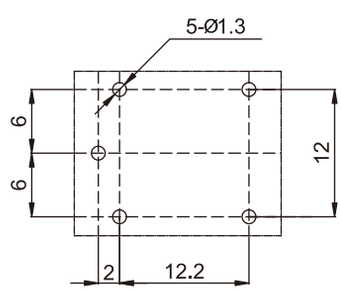
Specification

Contact Material	Silver Alloy
Contact Resistance	Max. 100m ohm(6VDC 100mA)
Operate Time	10ms
Release Time	5ms
Insulation Resistance	100M ohm Min. (500VDC)
Dielectric Strength	Between Open Contacts 750VAC (for 1 min)
	Between Coil to Contacts 1500VAC (for 1 min)
Vibration	10-55Hz 1.5mm
Shock Resistance	10G
Life Expectancy of Electrical	100,000 ops.Min.(1800 ops/hr)
Life Expectancy of Mechanical	10,000,000 ops. min.(1200 ops/hr)
Operating Temperature	-30℃ ~ +60℃
Weight	Approx.9.5g

Dimensions (Unit: mm)







Wiring Diagrams (Bottom View)