

電用力繼電器

Latching Relay

Features

- High switching capacity: 100A
- High sensitivity & reliability.
- No power consumption when latching magnetic hold.
- High resistance to vibration and shock.



Order Code

BT100L - 12VDC

a b

a: Relay Model

b: Nominal Coil Voltage

Coil Data - 2 Coil Latching Type (at 20°C)

Nominal Voltage (VDC)	Coil Resistance ± 10% (ohm)	Switching Voltage (VDC)	Min. Magnitude Pulse (ms)	Coil Power Consumption	Set Time (ms)	Reset Time (ms)
6	2 x 8	80%	36	4.5 W	12	6
12	2 x 32					
24	2 x 130					

Specification

Contact Material	Silver Alloy
Contact Resistance	Max. 1m ohm
Insulation Resistance	1000M ohm Min. (500VDC)
Life Expectancy of Mechanical	1 x 10 ⁶ ops. Min.
Life Expectancy of Electrica	10,000 ops.Min.
Creepage Distance	8.4mm
Dielectric Strength	Between Open Contacts 2000VAC (for 1 min) Between Coil to Contacts 4000VAC (for 1 min)
Shock Resistance	Functional 100m/s ² 11ms Endurance 1000m/s ² 11ms
Vibration Resistance	10~55Hz D.A. 1.5mm
Solder Ability	230°C ± 2°C 3s ± 0.5s
Operating Temperature	-25°C ~ +70°C
Relative Humidity	85% at 40°C
Weight	Approx. 82g

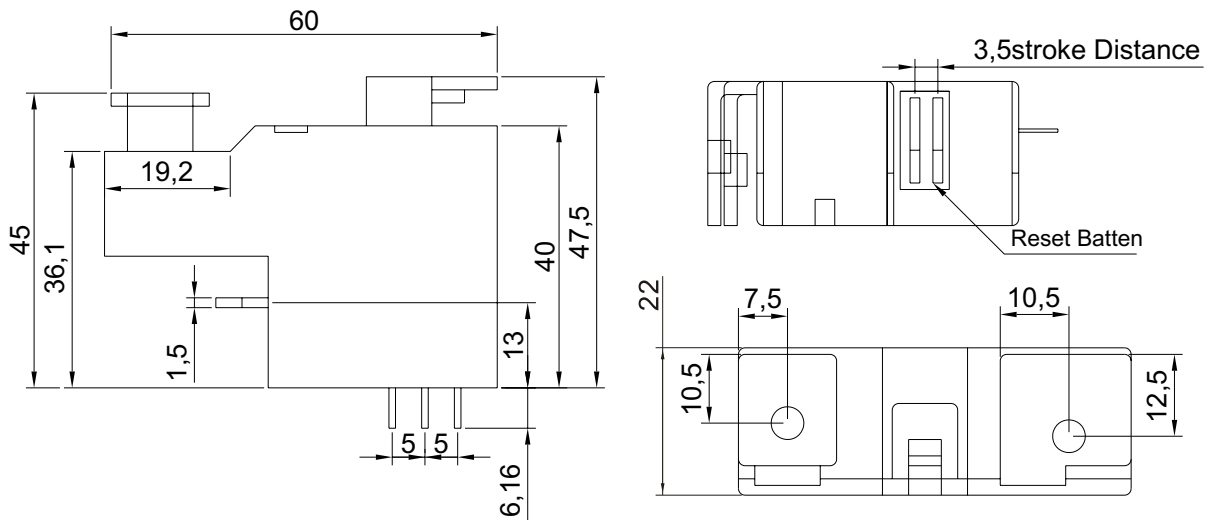
Contact Rating

Contact Form	1 Form A
Contact Rating	100A / 250VAC
Max. Switching Voltage	400VAC
Max. Switching Current	100A
Max. Switching Power	24000VA

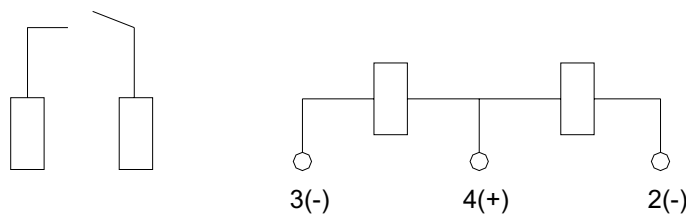
Standard Windings

Winding	Double	
Contact position		
Position	A	B
Terminal-grid	3 (-) 4 (+)	2 (-) 4 (+)

Dimensions (Unit: mm)



Wiring Diagrams (Bottom View)



NOTE:

Set : 3(-) 4(+)

Reset : 2(-) 4(+)