

Low Profile Hi-Switching Current EMR

Features

- Low coil power consumption 200mW.
- Small size and High sensitivity.
- Sealed type is available.
- Heavy current 16Ampers.
- Lead - Free (LF) products available.
- UL recognized.



Order Code

BT8 - 12 - S - 1A
a b c d

a: Relay Model

b: Nominal Coil Voltage

c: Coil Power: S=0.2W ; S4=0.45W

d: Contact Form: 1A=1 Form A ; 1C=1 Form C

Coil Data-Standard Type (at 20°C)

Nominal voltage DC±10%[V]	Coil Resistance ± 10% (ohm)		Max. Operate Voltage (VDC)	Min. Release Voltage (VDC)	Max. Allowable Voltage (VDC)
	0.2W(1A)	0.45W(1C)			
5	125	56	80%	5%	130%
6	180	80			
9	405	180			
12	720	320			
18	1620±15%	720			
24	2880±15%	1280±15%			
48	11520±15%	5120±15%			

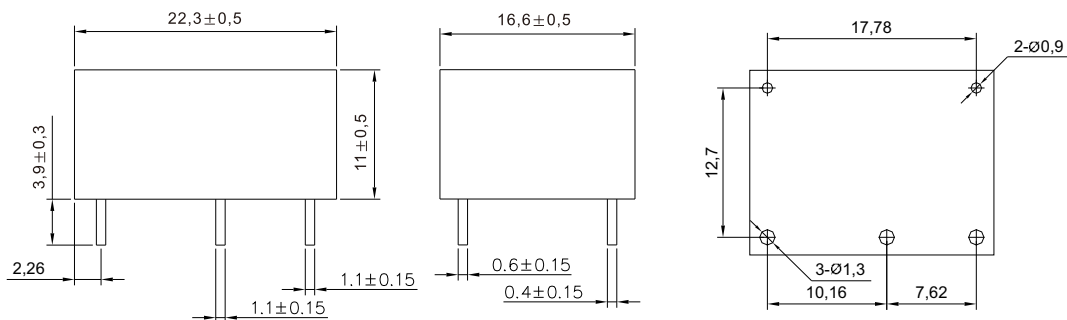
Contact Rating

Contact Form	1 Form A(0.2W)	1 Form C (0.45W)
Contact Rating	10A 220VAC/30VDC	
Max. Switching Voltage	250VAC / 110VDC	
Max. Switching Current	16A	

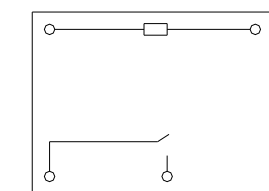
Specification

Contact Material	Silver Alloy
Contact Resistance	Max. 100m ohm
Operate Time	10ms
Release Time	5ms
Insulation Resistance	100M ohm Min. (500 VDC)
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 Mechanical	10,000,000 ops. Min. (1800 ops/hr)
Life Expectancy Electrical	1 x 10 ⁴ 16A 250VAC/30VDC (Resistive)
	1 x 10 ⁵ 10A 250VAC/30VDC (Resistive)
Operating Temperature	-40°C ~ +85°C
Weight	Approx. 8g

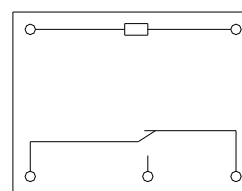
Dimensions (Unit: mm)



Wiring Diagrams (Bottom View)



1A



1C