

BM94-40A



Product Features

- ◆ Switching current Max.50A
- ◆ Plug-in or PC board terminals available
- ◆ Optional mounting bracket
- ◆ Outline dimensions:28*28*25mm&28*28*25+16mm

Ordering Information

Model No.	BM94	-12VDC	-C	-b	R	40A
Nominal Coil Voltage:	6,12,24V(DC)					
Contact Form:	A: Normally Open B: Normally Closed C: Normally Open&Close					
Installation:	Nil:Plug-in b:PCB terminals					
R:	Parallel transient supression resistor D:Parallel transient supression diode Nil:Without parallel components					
Contact current:	40A					

Contact Rating

Contact Form		1A,1B,1C	
Contact Material		Ag Alloy	
Contact Rating(Resistive)		NO:50A 14VDC,40A 14VDC	
		NC:30A 14VDC	
Switching Power Max.		700W	
Switching Voltage Max.		75VDC	
Voltage Drop		≤50mV (@10A)	Item 4.12 of IEC 61810-7
Endurance	Electrical	10 ⁵	Item 4.30 of IEC 61810-7
	Mechanical	10 ⁷	Item 4.31 of IEC 61810-7

Coil Rating

No.	Coil Voltage(VDC)		Coil Resistance R(1 ± 10%)Ω	Pick up Max. (VDC) (65% of Nominal Voltage)	Drop out Min.(VDC) (10% of Nominal Voltage)	Coil Power (W)	Operate Time (ms)	Release Time (ms)
	Nominal	Max.						
006-160	6	7.8	22.5	3.90	0.60	1.60	≤7	≤5
012-160	12	15.6	90	7.80	1.20			
024-160	24	31.2	360	15.60	2.40			
006-190	6	7.8	19	3.90	0.60	1.90		
012-190	12	15.6	75.7	7.80	1.20			
024-190	24	31.2	303	15.60	2.40			

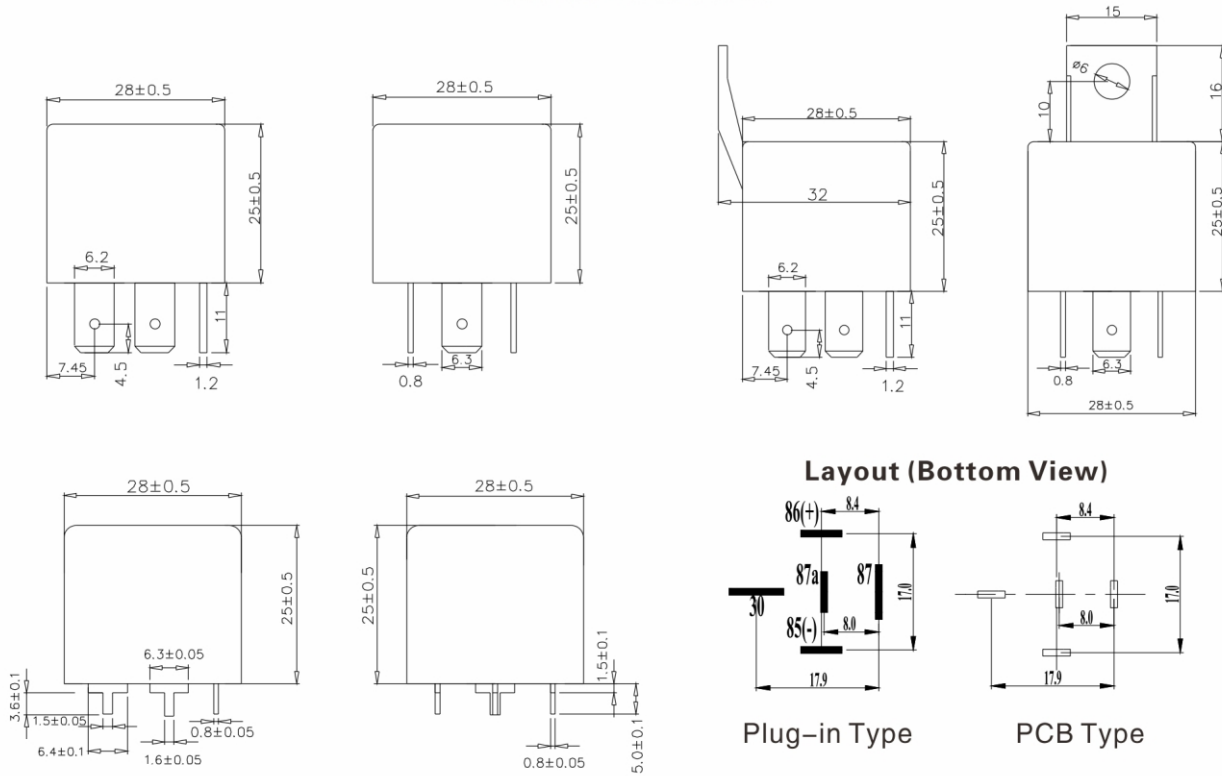
Technical Rating

Insulation Resistance		100MΩ (500VDC)Min.	Item 7 of IEC 60255-5
Dielectric Strength	Between Open Contacts	50/60Hz 500V 1min	Item 6 of IEC 60255-5
	Between Coil&Contact	50/60Hz 500V 1min	Item 6 of IEC 60255-5
Shock Resistance		Operation extremes 10G Damage limits 100G	IEC 68-2-27 Test Ea
Vibration Resistance		Operation extremes 10-500Hz,5.0G;Damage limits 10-500Hz,5.0G	IEC 68-2-6 Test Fc
Leading-out Terminal Strength		8N 4N(PCB terminal)	IEC 68-2-21 Test Ua2
Ambient Temperature		-40℃ ~ 125℃	
Relative Humidity		85%(40℃)	IEC 68-2-3 Test Ca
Weight		36g	

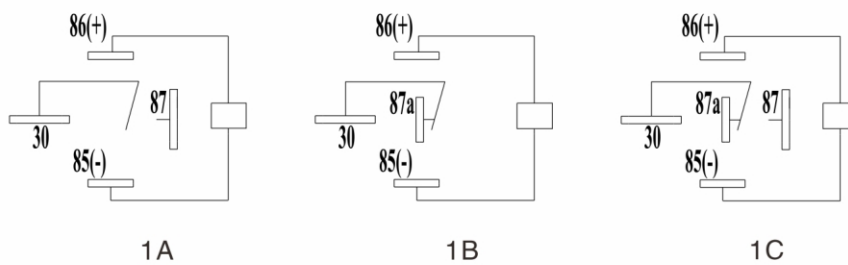
Outline Dimensions, Wiring Diagram And Layout

Unit:mm

Outline Dimensions



Wiring Diagram(Bottom View)



Remarks: (1) In case of no tolerance shown in outline dimension: outline dimension ≤ 1 mm,tolerance should be ± 0.2 mm; outline dimension > 1 mm and ≤ 5 mm,tolerance should be ± 0.3 mm;outline dimension > 5 mm,tolerance should be ± 0.4 mm.
 (2) The tolerance without indicating for PCB layout is always ± 0.1 mm.

Note:Specification and dimensions in this catalogue are for reference only and subject to change without notice.