

## FEATURES

- 15A switching capabilities
- 1A,1B and 1C configurations
- Insulation for high temperature operation:  
Class B, Class F
- UL and CUL approval, File No.: E179936
- TUV approval, File No.: R50141546

## CONTACT DATA

Contact form	1 A ,1B, 1 C
Contact resistance (Initial)	100mΩ
Rated load Resistive load	15A 120/125VAC 10A 250/240VAC 10A 28VDC
Max. switching voltage	250VAC/30VDC
Max. switching current	15A
Max. switching power	2500VA 280W
UL/CUL rating	15A 120VAC TV-5 120VAC
TUV rating	15A 125VAC 12A/10A 240VAC
Inductive Load	2A
Contact material	AgSnO <sub>2</sub>

## CHARACTERISTIC

Insulation resistance	100MΩ at 500VDC
Dielectric strength	1500Vrms, 1 min. between coil to contacts 750Vrms, 1 min. between open contacts
Operate time	Max. 10 ms (nominal voltage)
Release time	Max. 5 ms (nominal voltage)
Vibration resistance	10 to 55Hz, 1.5mm
Shock resistance	Functional: 98m/s <sup>2</sup> (10G) Destructive: 980m/s <sup>2</sup> (100G)
Humidity	35% to 85% RH
Temperature rise	75°C (at nominal voltage)
Ambient temperature	- 40°C to + 70°C
Life expectancy	
- Electrical	1 x 10 <sup>5</sup> operations
- Mechanical	1 x 10 <sup>7</sup> operations

## COIL SPECIFICATIONS

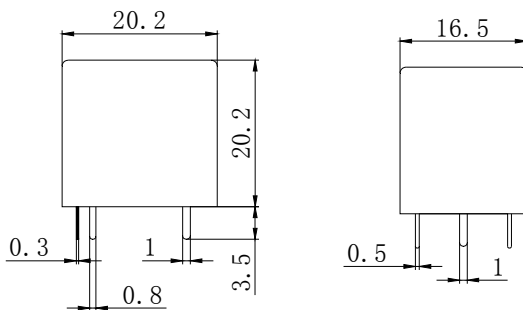
Nominal voltage (VDC)	Pick-up voltage VDC(Max.)	Drop-out voltage VDC(Min.)	Max. allowable voltage(at 20°C)	Coil resistance (Ω±10%)	Power consumption(mW)
3	2.25	0.3	3.8	25	360
5	3.8	0.5	6	70	360
6	4.5	0.6	7.2	100	360
9	6.8	0.9	10.8	225	360
12	9	1.2	14.4	400	360
15	11.2	1.5	18	625	360
18	13.5	1.8	21.6	900	360
24	18	2.4	28.8	1600	360
48	36	4.8	57.6	6400	360

## ORDERING INFORMATION

<u>ME-15N</u>	-	<u>12</u>	<u>H</u>	<u>F</u>	<u>S</u>
Model No.	Coil Voltage	Contact Form	Insulation system	Protection	
ME-15N	3、5、6、9、12 15、18、24 and 48VDC	H: 1 A D: 1 B C: 1 C	Nil: Class B F: Class F	Nil: Flux free type S: Sealed type	

## DIMENSIONS (unit:mm)

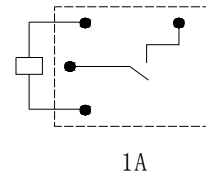
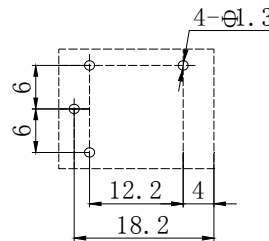
Tolerance:±0.2



Tolerance:±0.1

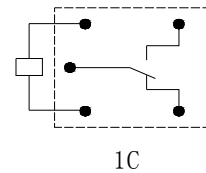
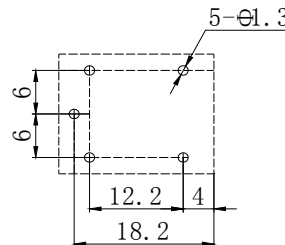
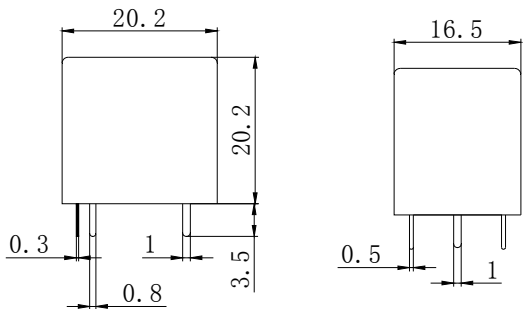
PCB LAYOUT (Bottom View)

SCHEMATIC (Bottom View)



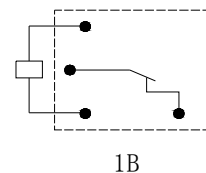
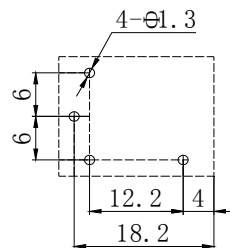
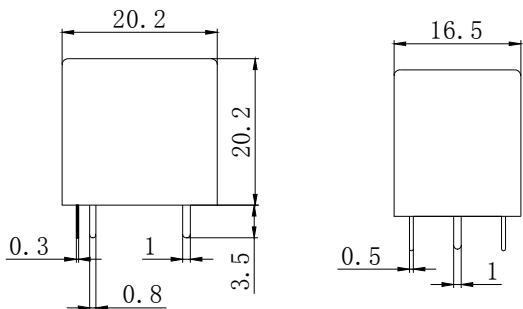
PCB LAYOUT (Bottom View)

SCHEMATIC (Bottom View)



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Disclaimer: All the specifications are subject to change without notice.