

FEATURES

- 15A switching capabilities
- 1A and 1C configurations
- Insulation for high temperature operation: Class B, Class F
- UL and CUL approval, File No.: E179936
- TUV approval, File No.: R50154031
- VDE approval, File No.: 40025129
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CONTACT DATA

Contact form	1 A ; 1 C
Contact resistance (Initial)	100mΩ
Rated load Resistive (CosΦ = 1)	1 A 15A 125VAC 10A 240/277VAC 15A 24VDC TV-5 120VAC 1 C 10A 240/277VAC 10A 24VDC
Inductive Load	2A 240VAC 1/2 HP 125VAC
Rated carry current	15A
Contact material	AgCdO / AgSnO

CHARACTERISTICS

Insulation resistance	100MΩ at 500VDC
Dielectric strength	1500VAC, 1 min. between coil to contacts 1000VAC, 1 min. between open contacts
Operate time	Max. 10 ms (nominal voltage)
Release time	Max. 5 ms (nominal voltage)
Vibration resistance	10-55Hz, Double Amplitude 1.5mm
Shock resistance	Min. 10G
Humidity	45% to 85% RH
Ambient temperature	UL: -40°C to + 70°C TUV TS: -40°C ~ 85°C FS: -40°C ~ 105°C
Insulation System	Class B: 130°C Class F: 150°C
Life expectancy - Electrical - Mechanical	1 x 10 ⁵ operations (at rated load) 1 x 10 ⁷ operations

COIL SPECIFICATIONS

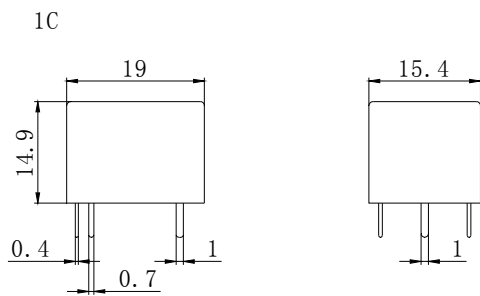
Nominal voltage (VDC)	Pick-up voltage VDC(Max.)	Drop-out voltage VDC(Min.)	Nominal current (mA±10%)	Coil resistance (Ω±10%)	Power consumption(mW)	Max. allowable voltage(VDC)
3	2.25	0.3	120	25	360	130% of nominal voltage
5	3.75	0.5	71.5	70	360	
6	4.5	0.6	60	100	360	
9	6.75	0.9	40	225	360	
12	9	1.2	30	400	360	
18	13.5	1.8	20	900	360	
24	18	2.4	15	1600	360	
48	36	4.8	7.5	6400	360	

ORDERING INFORMATION

<u>ME-15M</u>	-	<u>012</u>	-	<u>H</u>	<u>T</u>	<u>F</u>	<u>S</u>
Model No.	Coil Voltage	Contact Form	Contact Material	Insulation System	Protection		
ME-15M	3VDC-48VDC	H: 1 A D: 1 B Nil: 1 C	Nil: AgCdO T: AgSnO	Nil: Class B F : Class F	Nil: Flux free type S: Sealed type		

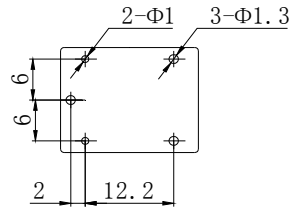
Dimensions(unit:mm)

Tolerance:±0.2

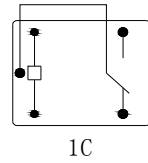


Tolerance:±0.1

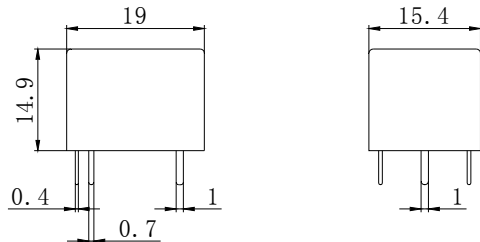
PCB LAYOUT (Bottom View)



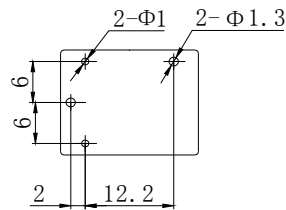
SCHEMATIC (Bottom View)



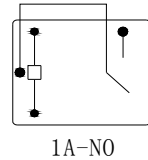
1A



PCB LAYOUT (Bottom View)



SCHEMATIC (Bottom View)



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