

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

CONTACT DATA

Contact form	1 A ; 1 C
Contact resistance (Initial)	100mΩ
Rated load	1 A
Resistive (CosΦ = 1)	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
Max switching voltage	30VDC/250VAC
Rated carry current	15A
Max switching power	240W/2770VA
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	1 x 10 ⁵ operations (at rated load)
- Mechanical	1 x 10 ⁷ operations

COIL SPECIFICATIONS

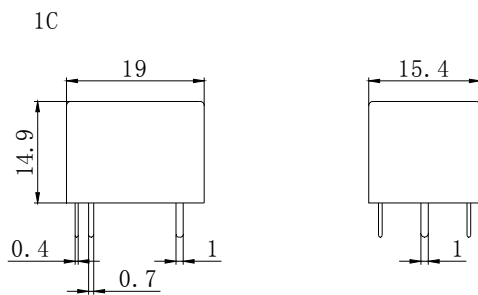
Nominal voltage (VDC)	Pick-up voltage VDC(Max.)	Drop-out voltage VDC(Min.)	Nominal current (mA±10%)	Coil resistance (Ω±10%)	Power consumption(mW)	Max. allowable voltage(VDC)
3	2.25	0.3	120	25	360	130% of nominal voltage
5	3.75	0.5	71.5	70	360	
6	4.5	0.6	60	100	360	
9	6.75	0.9	40	225	360	
12	9	1.2	30	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

Model No.	Coil Voltage	Contact Form	Contact Material	Insulation System	Protection	Ambient Temperature
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	Nil: -40°C to +85°C (105): -40°C to +105°C

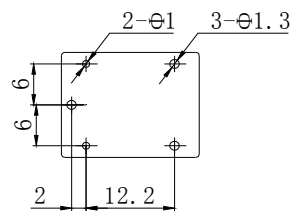
Dimensions(unit:mm)

Tolerance:±0.2

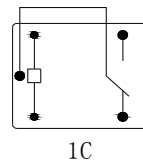


Tolerance:±0.1

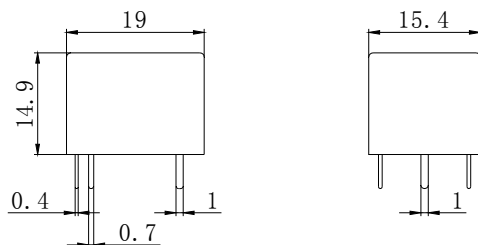
PCB LAYOUT (Bottom View)



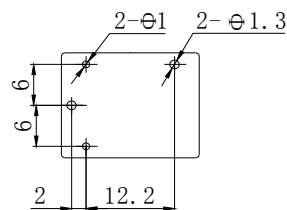
SCHEMATIC (Bottom View)



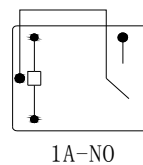
1A



PCB LAYOUT (Bottom View)



SCHEMATIC (Bottom View)



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