

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.: R50012121

CONTACT DATA

Contact form	1 A ; 1 C
Contact resistance	100mΩ
Rated load Resistive (CosΦ = 1)	1 A 15A/125VAC 10A/277VAC 15A/24VDC TV-5 120VAC 1 C 10A/277VAC 10A/24VDC
Rated carry current	15A
Contact material	AgNi/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	- 40°C to + 70°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	
24	18	2.4	15	1600	360	
48	36	4.8	7.5	4500	530	

ORDERING INFORMATION

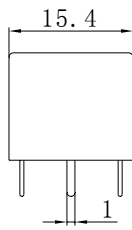
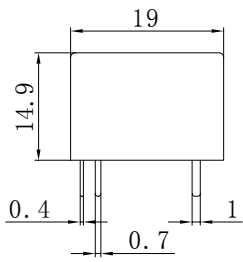
ME-15M - 012 - H T F S

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: AgNi T: AgSno	Nil: Class B F : Class F	Nil: Flux free type S: Sealed type

Dimensions(unit:mm)

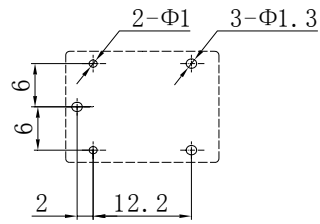
Tolerance: ± 0.2

1C

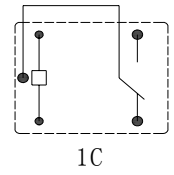


Tolerance: ± 0.1

PCB LAYOUT

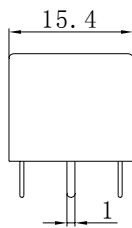
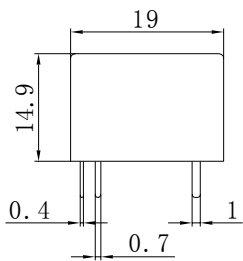


SCHEMATIC

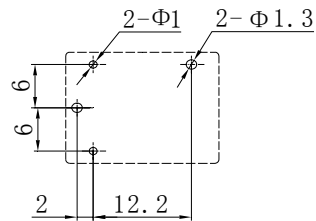


1C

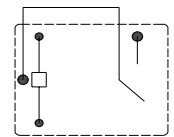
1A



PCB LAYOUT



SCHEMATIC



1A-N0