ME-39 MASSUSE RELAY

FEATURES

- 32A/277VAC switching capabilities
- 1 A and 1C configurations
- 4K dielectric strength (between coil and contacts, for type 1 PCB layout)
- Creepage distance ≧5mm (for type 1 PCB layout)
- UL and CUL Approval

CONTACT DATA

Contact form	1A, 1C
Contact resistance 1)	≦10mΩ max (6VDC 20A)
Contact rating (Resistive load)	32A 277VAC
Max. switching power	8864VA
Max. switching voltage	277VAC
Max. switching current	32A
Max. continuous current	32A 85℃ 25A 105℃
Contact material	$AgSnO_2$

CHARACTERISTIC

Insulation resistance	1000MΩ min. (at 500VDC)
Dielectric strength - between coil and contacts - between open contacts	Type 1: 4000VAC, 1 min. Type 2: 2500VAC ,1min. 1000VAC, 1 min.
Operate time	Max. 15 ms (at nom. Volt.)
Release time	Max. 10 ms (at nom. volt.)
Vibration resistance	10 to 55Hz, double amplitude 1.5mm
Shock resistance	Functional: 98m/s^2 Destructive: 980m/s^2
Humidity	5% to 85% RH
Ambient temperature	- 40℃ to + 105℃
Life expectancy - Electrical - Mechanical	 1 x 10^4 ops. (32A 250VAC, Resistive load, at 85℃, 1s on 9s off) 3 x 10^5 ops.

Notes: 1) The coil holding voltage is the voltage value after the rated voltage is applied to the coil for 200ms.

2) The data shown above are initial values.

3) To apply higher holding voltage than specified during long time is forbidden to prevent overheating.

4) Apply 100%-120% of the rated coil voltage for 200ms in order for the relay to operate correctly.

COIL SPECIFICATIONS

Nominal voltage (VDC)	Pick-up voltage VDC(Max.)	Drop-out voltage VDC(Min.)	Coil resistance (Ω±10%)	Power consumption(W)	Max. voltage VDC 1)
12	9.6	0.6	86	1.67	13.2
24	19.2	1.2	345	1.67	26.4
48	38.4	2.4	1380	1.67	52.8

Note: 1) Maximum voltage refers to the maximum voltage which relay coil could endure in a short period of time

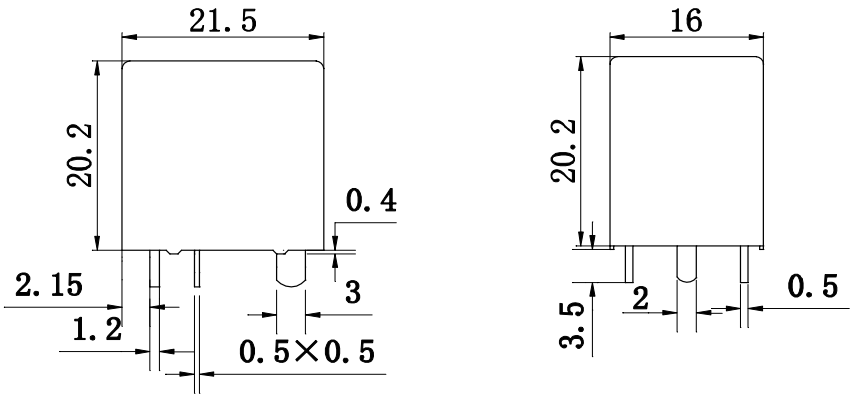
ORDERING INFORMATION

ME-39 - 012 - H 1 T F XXX

Model No.	Coil Voltage	Contact Form	Construction	Contact Material	Insulation standard	Special Code
ME-39	9,12, or 24VDC	H: 1 A Z: 1C	1: Type 1 2: Type 2	T: $AgSnO_2$	F: Class F	Nil: Standard XXX : Customer special requirement

DIMENSIONS (unit:mm)

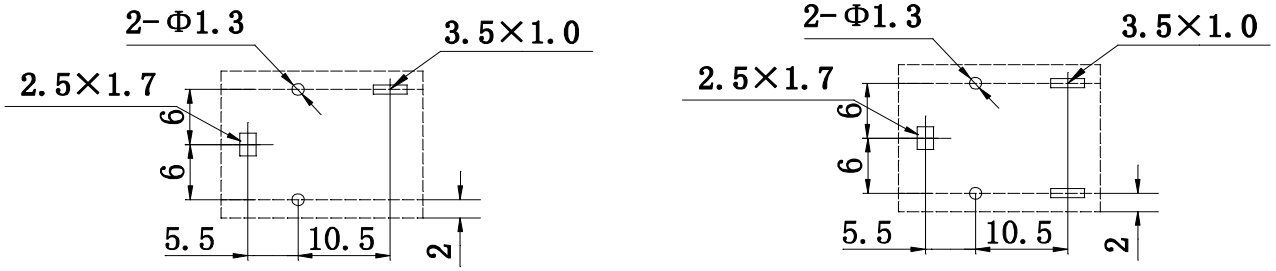
TYPE 1



SCHEMATIC

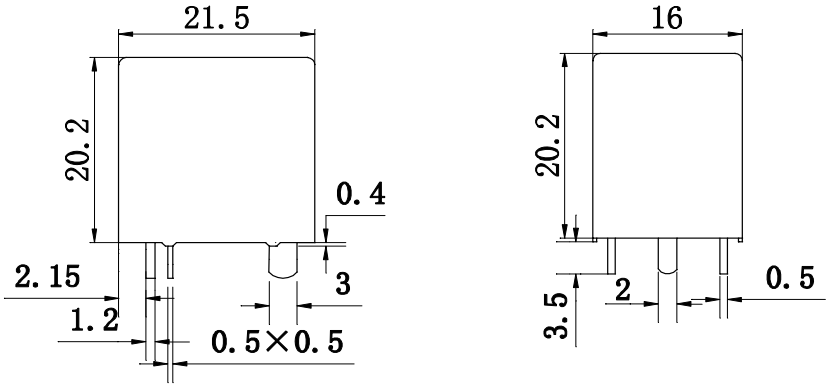
1A 1C

PCB LAYOUT



DIMENSIONS (unit:mm)

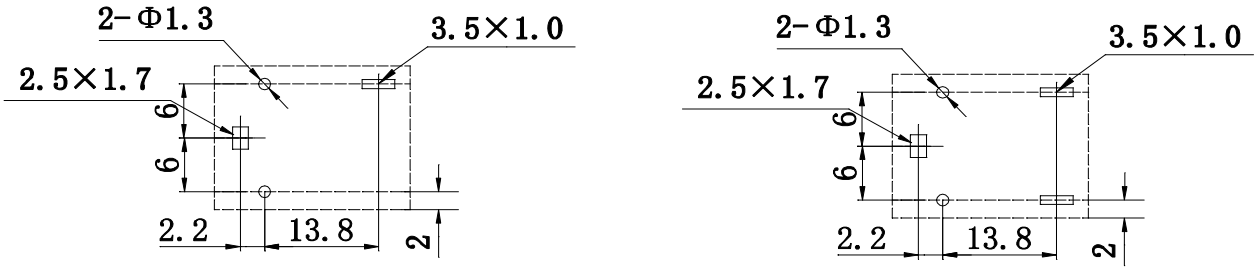
TYPE 2



SCHEMATIC

1A 1C

PCB LAYOUT



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

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