FEATURES

- 40A switching capabilities, TV-5 240VAC
- PCB coil terminals, ideal for heavy duty load
- Insulation system Class F: 155℃
- 4KV dielectric coil to contacts
- Open, sealed or dust cover type available
- UL and CUL approval, File No.: E179937
- TUV approval, File No.: R50168729

CONTACT DATA

Contact form	1A , 1B & 1C
Contact resistance(Initial)	≦ 30mΩ
Contact rating	
High power type	NO: 40A/240VAC 40A/30VDC, NC: 30A/240VAC 30A/30VDC (0.9W)
	NO: 30A/277VAC 30A/28VDC, NC: 20A/277VAC
Standard type	NO: 30A/240VAC 30A/14VDC, NC: 20A/240VAC 30A/14VDC
1H	277VAC FLA 20/LRA60 ; 2HP 250VAC,1HP 125VAC
1B	277VAC FLA10/LRA33 ; 1/2 HP 250VAC, 1/4HP 125VAC
1C	NO:277VAC FLA 20/LRA60 ; 2HP 250VAC ,1HP 125VAC
	NC:277VAC FLA10/LRA33 ; 1/2 HP 250VAC, 1/4HP 125VAC
Max. switching power	1200W 7200VA
Max. switching voltage	110VDC 300VAC
Max. switching current	40A
Contact material	Silver Alloy
Weight	Approx. 37g

CHARACTERSTICS

Insulation resistance	1000MΩ at 500VDC
Dielectric strength	Between coil and contacts: 2500VAC, 50Hz T: 4000VAC, 1 min. Between contacts: 1500VAC, 50Hz
Operate time	≦15 ms
Release time	≦10 ms
Vibration resistance	10 to 55Hz double amplitude 1.5mm
Shock resistance	200m/s^2 11ms
Humidity	85% (at 40℃)
Ambient temperature	Class F: DC: - 55℃ to +105℃ AC: - 55℃ to +85℃
Life expectancy	
- Electrical	1 x 10^5 operations min.
- Mechanical	1 x 10^7 operations min.

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COIL SPECIFICATIONS – 1. DC Voltage (Standard)

Nominal voltage (VDC)	Pick-up voltage VDC (Max.)	Drop-out voltage VDC (Min.)	Nominal current (mA ± 10%)	Coil resistance (Ω ± 10%)	Power consumption(mW)
3	2.25	0.3	300	10	900
5	3.75	0.5	180	28	900
6	4.5	0.6	150	40	900
9	6.75	0.9	100	90	900
12	9	1.2	75	160	900
15	11.25	1.5	60	250	900
18	13.5	1.8	50	360	900
24	18	2.4	37.5	640	900
36	27	3.6	25	1440	900
48	36	4.8	18.8	2560	900
110	82.5	11	8.2	13445	900

2. DC Voltage (Sensitive)

Nominal voltage (VDC)	Pick-up voltage VDC (Max.)	Drop-out voltage VDC (Min.)	Nominal current (mA ± 10%)	Coil resistance (Ω ± 10%)	Power consumption(mW)
3L	2.25	0.3	200	15	600
5L	3.75	0.5	120	42	600
6L	4.5	0.6	100	60	600
9L	6.75	0.9	66.7	135	600
12L	9	1.2	50	240	600
15L	11.25	1.5	40	375	600
18L	13.5	1.8	33.3	540	600
24L	18	2.4	25	960	600
48L	36	4.8	12.5	3840	600
110L	82.5	11	5.5	20167	600

3. AC Voltage

Nominal voltage (VAC)	Pick-up voltage VAC (Max.)	Drop-out voltage VAC (Min.)	Coil resistance (Ω ± 10%)	Power consumption
12	9	3.6	27	2VA
24	18	7.2	120	2VA
110	82.5	33	2360	2VA
120	90	36	3040	2VA
220	165	66	13490	2VA

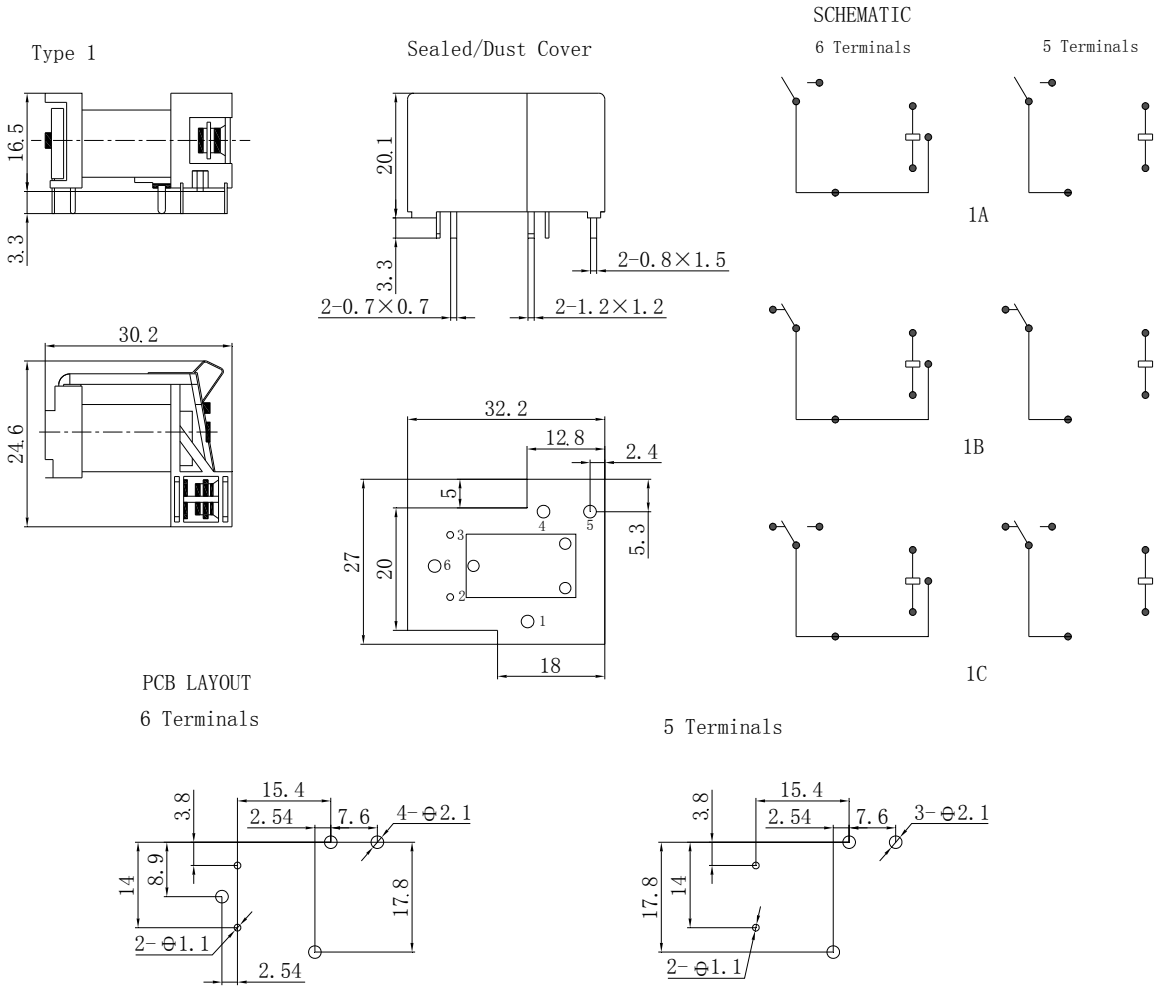
ORDERING INFORMATION

ME-19F - 1 - A 012 - 6 T - 1H S T F P L

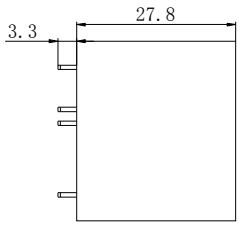
Model No.	Type	Coil Input	Coil Voltage	Mounting & Termination	Dielectric strength	Contact Form	Protection	Contact Material	Insulation system	load	Sensitivity
ME-19F	1, 2, 4, 5 & 6 Type	Nil: DC A: AC	DC:3VDC – 110VDC AC:12VAC – 220VAC	Nil: 4 Pins (1A) 5 Pins (1C) 6: 5 Pins (1A) 6 Pins (1C) K: 3/16 coil terminal I: 1/9 coil terminal	Nil: 2500VAC, coil to contact T:4000VAC, coil to contact	1H: 1A 1D: 1B 1Z: 1C	Nil: Open S: Sealed C: Dust cover	Nill: AgCdO T: $AgSnO_2$	F: ClassF	Nil: 30A/240VAC P: 30A/277VAC 40A/240VAC	Nil:DC-0.9W AC – 2VA L: DC - 0.6W

***Note: T:4KV is suitable for 1H:4pin,1D:4pin & 1Z:5pin only. * Sensitive type is not suitable for P type.**

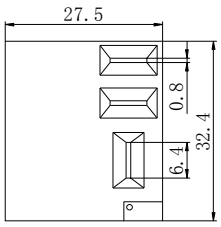
Dimensions(unit:mm) Tolerance: ±0.6mm



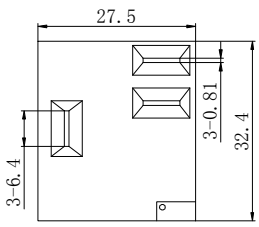
DIMENSIONS (unit: mm)



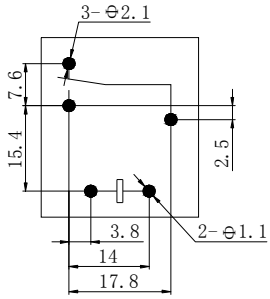
Type 2



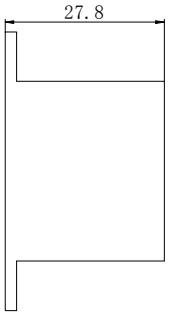
Type 5



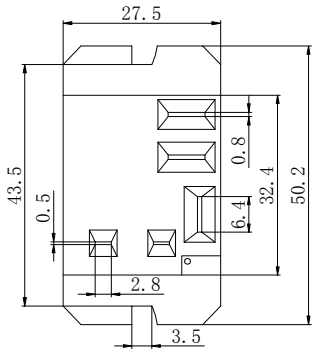
PCB Layout



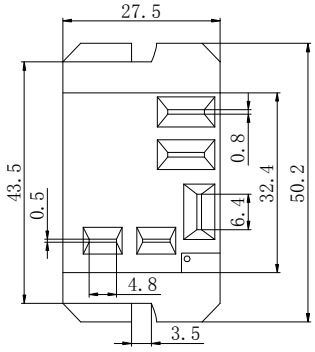
Type 4-Outline Dimension



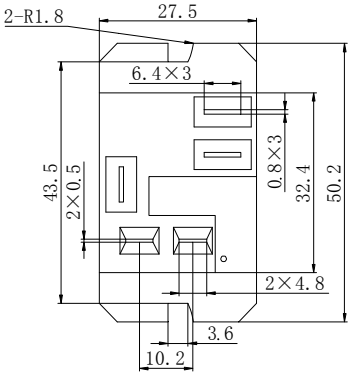
Type 4-1/9 coil terminals



Type 4-3/16 coil terminals



Type 6



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