

FEATURES

- 5A, 10A & 16A switching capabilities
- 1A, 1C, 2A & 2C configurations
- UL and CUL approval, File No.: E179937

CONTACT DATA

Contact form	1A, 1C 2A, 2C
Contact resistance	Max. 50mΩ (by voltage drop at 1A 6VDC)
Resistive load, $\cos\Phi=1$	
1A & 1C (16A)	16A 250VAC ; 16A 30VDC 1/2hp 277Vac, 1/2hp 120Vac TV-3 120VAC
1A & 1C (10A)	10A 250VAC ; 10A 30VDC 1/2 hp 277Vac TV-3 120VAC
2A & 2C (5A)	5A 250VAC ; 5A 30VDC 1/3 hp, 240Vac
Inductive load, $\cos\Phi=0.4$	
1A & 1C (H16/Z16)	8A 250VAC ; 8A 30VDC
1A & 1C (H10/Z10)	7.5A 250VAC ; 5A 30VDC
2A & 2C (2Z5)	2A 250VAC ; 3A 30VDC
Max. switching voltage	380VAC, 125VDC
Max. switching current	16A, 10A & 5A
Max. switching power	
Resistive load	H16,Z16 - 4000VA, 480W H10,Z10 – 2500VA, 300W 2H5,2Z5 – 1250VA, 150W
Inductive load	H16,Z16 – 2000VA, 240W H10,Z10 – 1875VA, 150W 2H5,2Z5 – 500VA, 90W
Carrying current	16A, 10A & 5A
Min. permissible load	16A & 10A – DC 5V 100mA 5A – DC 5V 10mA
Contact material	Silver Alloy

CHARACTERISTICS

Insulation resistance	Min. 1000MΩ (at 500VDC)
Dielectric strength	5000VAC, 1 min. between coil to contacts
- Standard type	1000VAC, 1 min. between open contacts
- W-type	3000VAC, 1 min. between open contacts 2500VAC, 1 min. between contact sets
Operate time	Max. 15 msec. (at nominal voltage)
Release time	Max. 10 msec. (at nominal voltage)
Shock resistance	Functional: Min. 10G Destructive: Min. 100G
Vibration resistance	10 - 55Hz, 1.5mm double amplitude
Ambient temperature	- 40°C to + 70°C
Humidity	35 – 85% RH
Life expectancy	
- Electrical	1 × 10 ⁵ operations (at rated load)
- Mechanical	DC: 2 × 10 ⁷ operations AC: 1 × 10 ⁷ operations
Weight	about 17g

COIL SPECIFICATIONS – 1. DC Type

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	176	17	530	130% of nominal voltage
5	3.75	0.5	106	47	530	
6	4.5	0.6	88.2	68	530	
9	6.75	0.9	58.9	160	530	
12	9	1.2	43.6	275	530	
18	13.5	1.8	29.4	620	530	
24	18	2.4	21.8	1100	530	
48	36	4.8	11.5	4170	530	
60	45	6	8.8	7000	530	

2. DC W Type (3000VAC DIELECTRIC STRENGTH FOR OPEN CONTACT)

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	266.7	11.3	800	130% of nominal voltage
5	3.75	0.5	160	31	800	
6	4.5	0.6	133.3	45	800	110% of nominal voltage
9	6.75	0.9	88.9	101	800	
12	9	1.2	66.7	180	800	
18	13.5	1.8	44.4	405	800	
24	18	2.4	33.3	720	800	
48	36	4.8	16.7	2880	800	
60	45	6	13.3	4500	800	

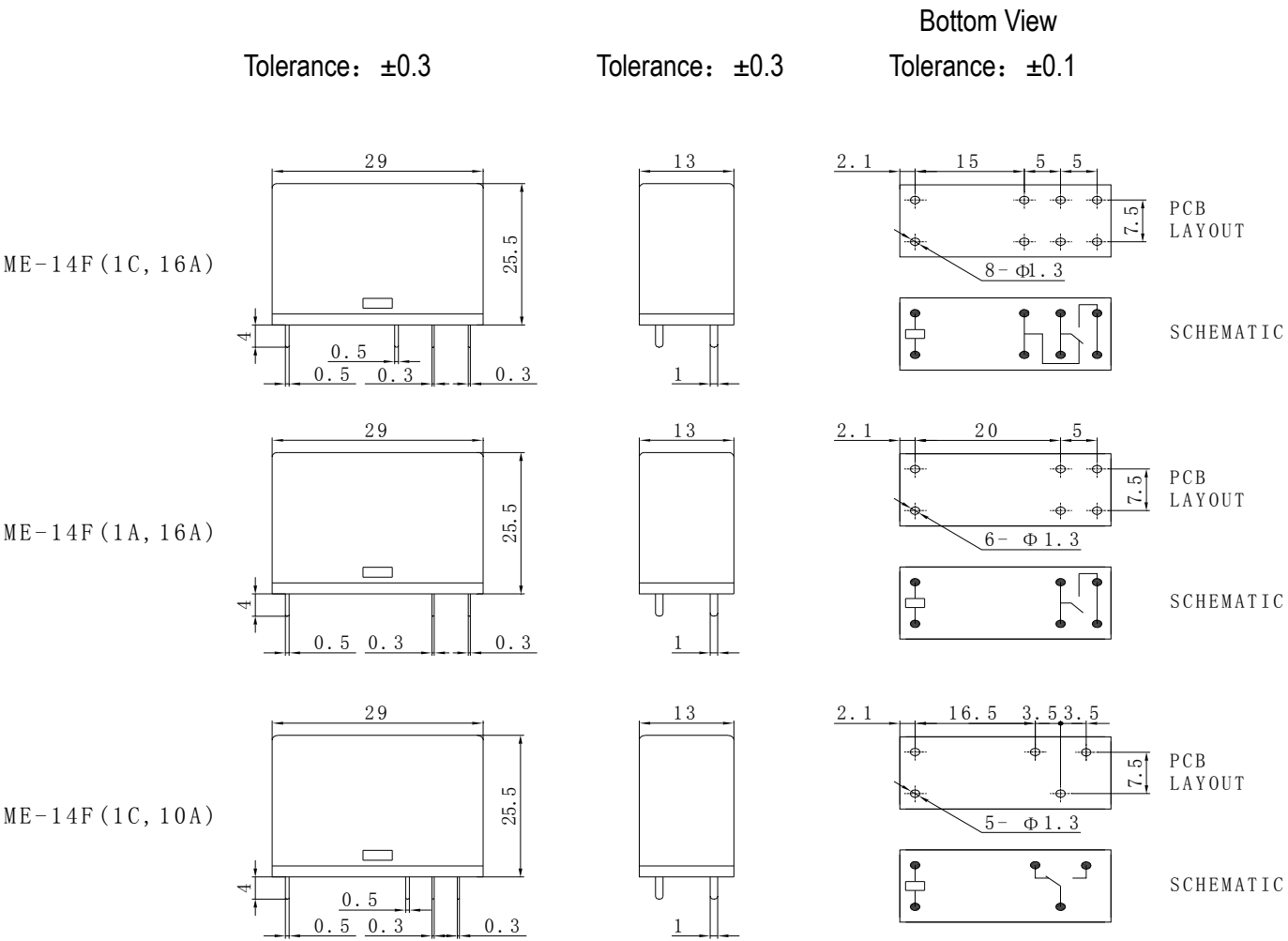
3. AC Type

Nominal voltage (VAC)	Pick-up voltage VAC (Max.)	Drop-out voltage VAC (Min.)	Nominal current (mA+10%, -15%)	Coil resistance (Ω ±10%)	Power consumption (VA)	Max. allowable voltage (VAC)
6	4.8	1.8	150	16	Approx. 0.9	130% of nominal voltage
12	9.6	3.6	75	65	Approx. 0.9	
24	19.2	7.2	37.5	260	Approx. 0.9	
50	40	15	18	1130	Approx. 0.9	
100/110	80/88	30/33	9/10.6	4600	Approx. 0.9	
120	96	36	7.5	6680	Approx. 0.9	
200/220	160/176	60/66	4.5/5.3	20200	Approx. 0.9	
230	184	69	3.6	24900	Approx. 0.9	

ORDERING INFORMATION

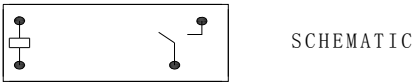
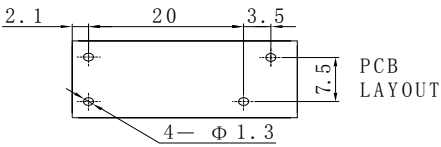
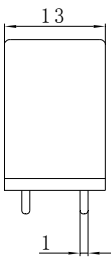
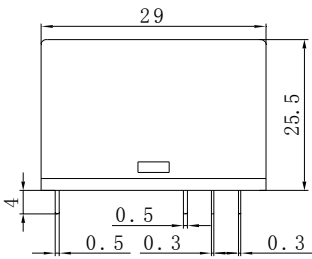
ME-14F	-	A	-	12	-	H	-	16	-	S	-	T	-	F	-	W
Model No.	Coil source		Coil voltage		Contact Form		Contact current		Protection		Contact Material		Insulation system		Dielectric strength for open contacts	
ME-14F	Nil: VDC A: VAC		DC: 3、5、6、9、12、18、24、48 and 60VDC AC: 6、12、24、50、100、110、120、200、220 and 230VAC		H: 1A Z: 1C 2H: 2A 2Z: 2C		16: 16A 10: 10A 5: 5A		Nil: Flux Free Type S: Sealed Type		Nil: AgNi T: AgSno		Nil: Class A B : Class B F : Class F		Nil: 1000VAC, 1 min. W: 3000VAC, 1 min.	

Dimensions(unit:mm)

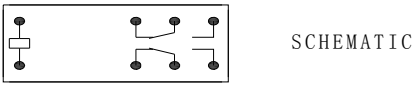
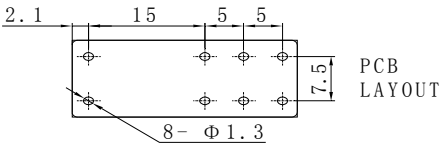
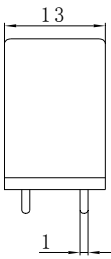
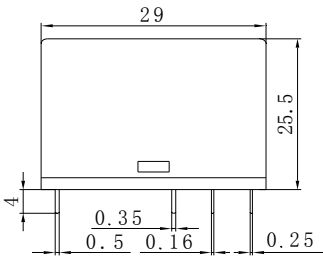


Dimensions(unit:mm)

ME-14F
(1A-N0, 10A)



ME-14F (2C, 5A)



ME-14F (2A, 5A)

