

FEATURES

- 1A and 1C configurations
- 20A switching capabilities
- TV-8 125VAC
- 4KV dielectric strength from coil to contacts
- UL and CUL approval, File No.: E179937

CONTACT DATA

Contact form	1A ; 1C
Contact resistance (Initial)	50mΩ (voltage drop at 1A 24VDC)
Carrying current Resistive load CosΦ=1	1H: 20A 277VAC/24VDC 1 HP 240VAC(8 FLA) 1Z,1D: 16A 240VAC/24VDC TV-8 125VAC
Max. switching capacity	5540VA , 480W
Max. switching current	20A
Max. switching voltage	277VAC, 30VDC
Contact material	AgCdO / AgSnO ₂

CHARACTERISTICS

Insulation resistance	1000MΩ at 500VAC
Dielectric strength	4000VAC, 1 min. between coil to contacts 1000VAC, 1 min. between open contacts
Operate time	Max. 15 ms (nominal voltage)
Release time	Max. 5 ms (nominal voltage)
Vibration resistance	10-55Hz at double amplitude of 1.5mm
Shock resistance	10G
Humidity	Max. 90% RH
Ambient temperature	- 40°C to + 85°C
Life expectancy - Electrical - Mechanical	1 x 10 ⁵ operations (at rated load) 1 x 10 ⁷ operations

COIL SPECIFICATIONS

Nominal voltage (VDC)	Pick-up voltage (VDC)	Drop-out voltage (VDC)	Nominal current (mA±10%)	Coil resistance (Ω±10%)	Power consumption(mW)	Max. allowable voltage (VDC)
3	2.16	0.3	176.7	17	530	130% of nominal voltage
5	3.6	0.5	106	47	530	
6	4.3	0.6	88.2	68	530	
9	6.5	0.9	58.8	160	530	
12	8.6	1.2	43.6	275	530	
18	13	25.2	29.4	650	530	
24	17.3	2.4	21.8	1100	530	
48	34.6	4.8	11.5	4170	530	
60	43.2	6.0	8.8	7000	530	

ORDERING INFORMATION

<u>ME-14FW</u>	-	<u>012</u>	-	<u>Z</u>	<u>T</u>	<u>S</u>	<u>F</u>
Model No.	Coil Voltage	Contact Form	Contact Material	Protection	Insulation system		
ME-14FW	3VDC-60VDC	H: 1A D: 1B Z: 1C	Nil: AgCdO T: AgSnO ₂	Nil: Flow solder type S: Sealed type	Nil: Class A B : Class B F : Class F		

Dimensions(unit:mm)

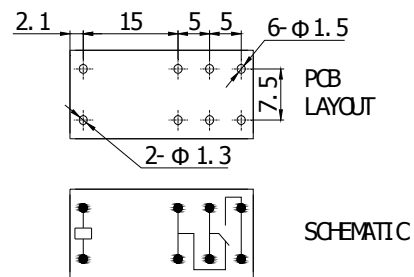
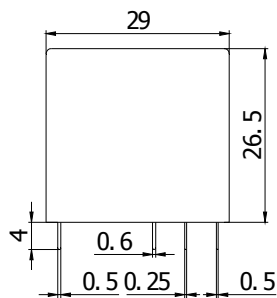
Tolerance: ±0.1

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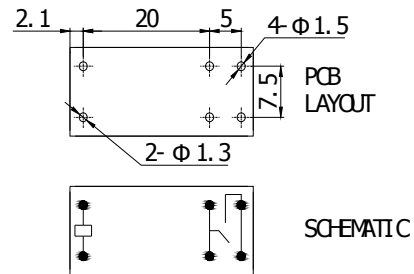
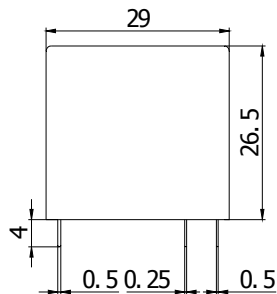
Bottom View

Tolerance: ±0.1

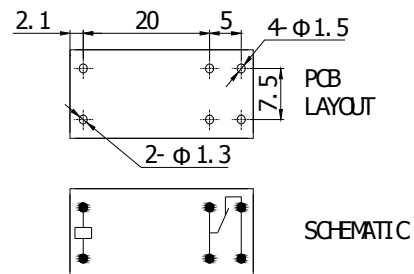
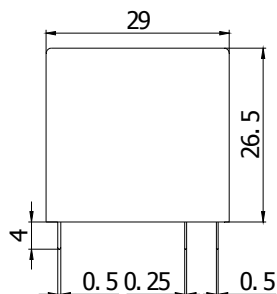
ME-14FW(1C, 16A)



ME-14FW(1A, 20A)



ME-14FW(1B, 16A)



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