**Features**

- ✱ 5A Switching Capability
- ✱ 1 Form A Configuration
- ✱ 2kV dielectric, 4kV Surge
- ✱ Slim size - 5mm width
- ✱ Low Power - 120mW Coil
- ✱ UL, CUL, TUV Approvals

Contact Data

Contact Form	1Form A
Initial Contact Resistance	50 mOhm (at 1A / 60Vdc)
Contact Rating Resistive Load	5A @ 250VAC 5A @ 30VDC
UL/CUL/TUV Rating	5A 250VAC 5A 30VDC 5 x 10 ⁴ ops 3A 250VAC 3A 30VDC 1 x 10 ⁵ ops
Max. Switching Power	750VA / 90W
Max. Switching Current	5A
Max Switching Voltage	250VAC 110VDC
Contact Material	Silver Alloy

Characteristics

Insulation Resistance	1000MOhm (at 500VDC)
Dielectric Strength Between coil & contacts Between open contacts	2000VAC 1000VAC
Surge Voltage	4000V between contacts and coil (1.2 x 50µs)
Operate Time	6ms (at nominal voltage)
Release Time	3ms (at nominal voltage)
Shock Resistance	Functional: 147m/s ² Destructive: 980m/s ²
Temperature Rise	45°C
Ambient Temperature	-40°C to 70°C
Humidity	5% to 85%
Vibration Resistance	10-55Hz double amplitude 1.5mm
Weight	3g
Life Expectancy Electrical (at 360 ops/hr) Mechanical (at 72,000 ops/hr)	1 x 10 ⁵ min. operations 2 x 10 ⁷ min. operations

Coil Specifications

Nominal Voltage (VDC)	Operate Voltage VDC (Max)	Release Voltage VDC (Min)	Rated Current (at 20°C)	Coil Resistance (+/- 10%)	Power Consumption (mW)
5	3.5	0.25	24	208	120
6	4.2	0.3	20	300	120
9	6.3	0.45	13.3	675	120
12	8.4	0.6	10	1200	120
18	12.6	0.9	6.7	2700 +/-15%	120
24	16.8	1.2	7.5	3200 +/-15%	180

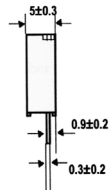
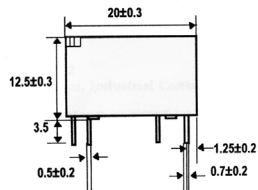
ME28 Series

Ordering Information:

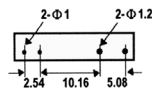
ME28	A	- 012	-1H	-1G	F
Model No.	PCB Layout	Coil Voltage	Contact Form	Contact Version type	Insulation
ME28	NIL: 2.54+10.16+5.08 A: 2.54+7.62+7.62mm	5, 6, 9, 12, 18, 24 VDC	1H: 1 Form A	1: Single Contact 1G: Single Contact and Silver Alloy 2G: Bifurcated Contact and Silver Alloy	Nil: Class B F: Class F

DIMENSIONS (UNIT:mm)

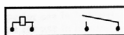
ME-28



PCB LAYOUT



SCHEMATIC



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