

FEATURES

- 16A switching capabilities
- 1A and 1C configurations
- 5KV dielectric strength from coil to contacts
- UL and CUL approval, File No.: E179936
- TUV approval, File No.: R50165068

CONTACT DATA

Contact form	1A ; 1C
Contact resistance (Initial)	Max. 100mΩ (at 1A 24VDC)
Contact rating (Res. Load)	16A/250VAC · 16A/240VAC 16A / 30VDC
Max. switching voltage	250VAC / 30VDC
Max. switching current	16A
Max. switching power	4000VA / 384W
Contact material	AgNi / AgSnO ₂

CHARACTERISTICS

Insulation resistance	1000MΩ, 500VDC
Dielectric strength	5000VAC, 1 min. between coil to contacts 1000VAC, 1 min. between open contacts
Surge voltage	10000V, between contacts and coil
Operate time	Max. 20 ms (at nominal voltage)
Release time	Max.10 ms (at nominal voltage)
Shock resistance	Functional: 100m/s ² Destructive: 1000m/s ²
Vibration resistance	10-55Hz, 1.5mm
Ambient temperature	- 40°C to + 70°C
Humidity	98%, + 40°C
Life expectancy	
- Electrical	1 x 10 ⁵ min. operations
- Mechanical	1 x 10 ⁷ min. operations

COIL SPECIFICATIONS

Nominal voltage (VDC)	Pick-up voltage VDC (Max.)	Drop-out voltage VDC (Min.)	Nominal current (mA±10%)	Coil resistance (Ω±10%)	Power consumption(mW)
5	3.75	0.5	106	46	540
6	4.3	0.6	88.2	68	540
9	6.75	0.9	58.8	150	540
12	9	1.2	43.6	275	540
18	13.5	1.8	29.4	650	540
24	18	2.4	21.8	1050	540
48	36	4.8	11.5	4170	540
60	45	6	8.8	6800	540

ORDERING INFORMATION

ME-12H - 012 - Z S T 1

Model No.	Coil Voltage	Contact Form	Protection	Contact Material	Pin
ME-12H	3VDC – 60VDC	H: 1A Z: 1C	Nil: Unsealed type S: Sealed type	Nil: AgNi T: AgSnO ₂	1: 1A 4 Pin, 16A 1C 5 Pin, 16A

DIMENSIONS (unit: mm)

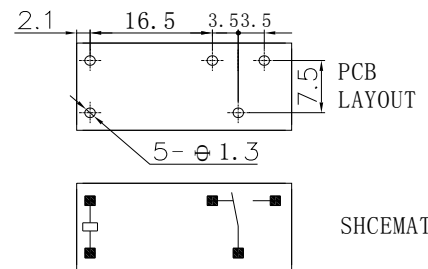
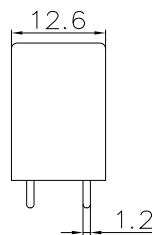
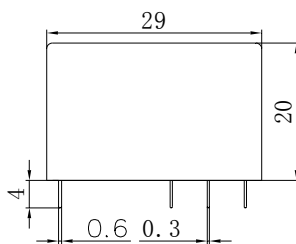
Bottom View

Tolerance: ± 0.5

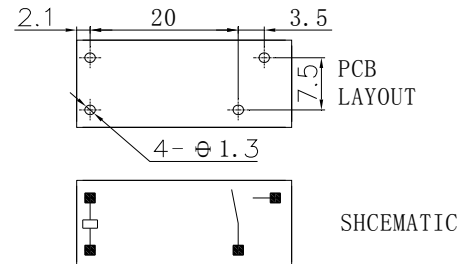
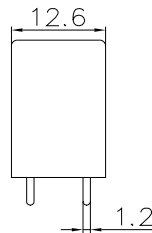
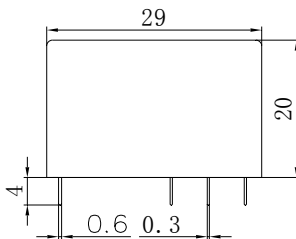
Tolerance: ± 0.5

Tolerance: ± 0.1

1C



1A-NO



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