

FEATURES

- 1A and 1C configurations
- 10A switching capabilities, 5KV dielectric strength from coil to contacts
- UL and CUL approval, File No.: E179936
- TUV approval, File No.: R50154141

CONTACT DATA

Contact form	1A ; 1C
Contact resistance (Initial)	Max. 100mΩ (at 1A 24VDC)
Contact rating (Res. Load)	10A/250VAC, 10A /240VAC 30VDC
Max. switching voltage	250VAC / 30VDC
Max. switching current	10A
Max. switching power	2200VA / 300W
Inductive Load	2A 240VAC
Contact material	AgCdO / 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 (540mW)

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	2.4	0.15	180	17	540	130% of nominal voltage
5	4	0.25	108	46	540	
6	4.8	0.3	90	67	540	
9	7.2	0.45	60	150	540	
12	9.6	0.6	45	270	540	
24	19.2	1.2	22.5	1050	540	
48	38.4	2.4	11.2	4250	540	

COIL SPECIFICATIONS (720mW)

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	2.4	0.15	240	13	720	130% of nominal voltage
5	4	0.25	144	35	720	
6	4.8	0.3	120	50	720	
9	7.2	0.45	80	110	720	
12	9.6	0.6	60	200	720	
24	19.2	1.2	30	800	720	
48	38.4	2.4	15	3200	720	

ME-12M

MASSUSE RELAY

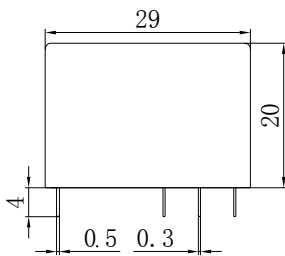
ORDERING INFORMATION

ME-12M	- 012	- Z	S	T	D
Model No.	Coil Voltage	Contact Form	Protection	Contact Material	Power consumption
ME-12M	3, 5, 6, 9, 12, 18, 24, 48 or 60VDC	H: 1A Z: 1C	Nil: Unsealed type S: Sealed type	Nil: AgCdO T: AgSnO ₂	Nil: 540mW D: 720mW

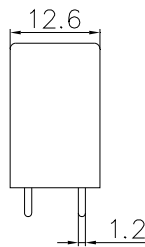
DIMENSIONS (UNIT: mm)

Tolerance: ±0.5

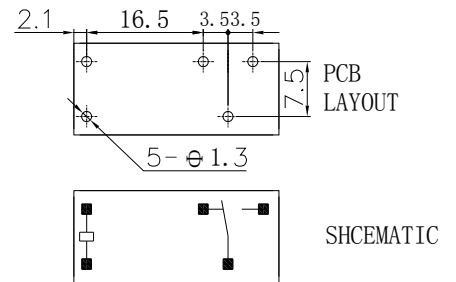
1C



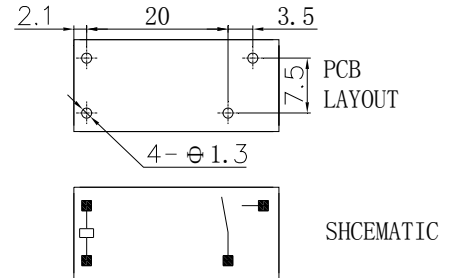
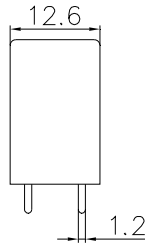
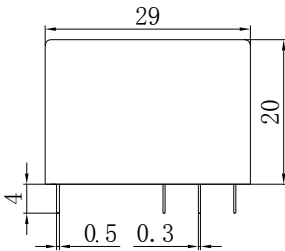
Tolerance: ±0.5



Tolerance: ±0.1



1A-NO



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