ME-10V-G MASSUSE RELAY

FEATURES

10A switching capabilities
1A-NO configurations
Subminiature, standard PCB layout
Thermal class F for high temperature
Plastic sealed and flux proofed types avaiable
Creepage distance:6.5mm(between coil&contacts)
Dielectric strength 4KV (between coil and contacts)
Environmental friendly product (ROHS compliant)
UL&CUL approval No.E179937
VDE approval, File No. 40040960
Outline Dimensions:18.4×10.2×15.3（L×W×H）

CONTACT DATA

Contact form	1A – NO	
Contact resistance （Initial）	Max. 100mΩ(at 1A 6VDC)	
Contact rating 1A(NO)	Standard	Sensitive
	10A 277VAC /250VAC 10A 30VDC	8A 277VAC /250VAC 8A 30VDC
Inductive load	2A 240VAC Cosϕ = 0.75	
Max.switching voltager	277VAC /30VDC	
Max.switching current	10A	8A
Max.switching power	2770VA/300W	2216VA/240W
Contact material	Silver Alloy	
Unit weight	Approx.6g	

CHARACTERISTICS

Insulation resistance		1000MΩ at 500VDC
Dielectric strength		4000VAC, between coil to contacts (1 minute) 1000VAC, between open contacts (1 minute)
Surge withstand voltage		6KV(1.2/50μs)
Operate time		≦8 ms
Release time		≦5 ms
Coil temperature rise(at nomi.volt.)		70k max
Shock resistance		Functional: 98m/s^2 Destructive: 980m/s^2
Vibration		10-55Hz, 1.5mm DA
Humidity		5% to 85%RH
Ambient temperature		- 40℃ to 105℃
Life expectancy - Electrica	Standard	10A, 277/250 Vac, General Use, 50K cycles, 85 ° C 10A, 30Vdc, Resistive, 30K cycles, 85 ° C 10A, 277/250 Vac, Resistive, 30K cycles, 105 ° C 10A, 277/250 Vac, Resistive, 100K cycles, 40 ° C
	Sensitive	1 x 10^5 ops(8A 277VAC Resistive load.) 5 x 10^4 ops(8A 277VAC Resistive load, at 85℃)
-Mechanical		1 x 10^7 ops

COIL SPECIFICATIONS -1.Standard

Nominal voltage (VDC)	Pick-up voltage VDC(Max.)	Drop-out voltage VDC (Min.)	Nominal current (mA±10%)	Coil resistance (Ω±10%)	Power consumption(mW)
3	2.25	0.15	150	20	450
5	3.75	0.25	90	55	450
6	4.5	0.3	75	80	450
9	6.75	0.45	50	180	450
12	9	0.6	37.5	320	450
18	13.5	0.9	25	720	450
24	18	1.2	18.8	1280	450
48	36	2.4	9.4	5120	450

COIL SPECIFICATIONS -2.Sensitive

Nominal voltage (VDC)	Pick-up voltage VDC(Max.)	Drop-out voltage VDC (Min.)	Nominal current (mA±10%)	Coil resistance (Ω±10%)	Power consumption(mW)
3	2.25	0.15	67	45	200
5	3.75	0.25	40	125	200
6	4.5	0.3	33	180	200
9	6.75	0.45	23	400	200
12	9	0.6	17	720	200
18	13.5	0.9	11	1600	200
24	18	1.2	8.6	2800	200
48	36	2.4	4.1	11520	200

ORDERING INFORMATION

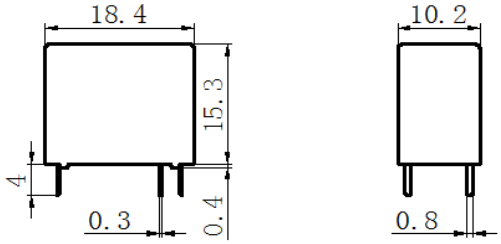
ME-10V-G - 012 - H S L T F G

Model No.	Coil Voltage	Contact Form	Protection	Coil power	Contact Material	Insulation	Contact plating
ME-10V-G	3,5, 6, 9, 12 18 ,24 or 48VDC	H: 1A	Nil: Flux free type S:Plastic sealed	Nil:Standard L:Sensitive	Nil: AgCdO T: $AgSnO_2$	F:Class F	Nil:No gold plated G:Gold plated

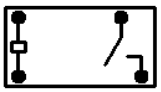
Dimensions (unit: mm)

Tolerance: ± 0.3

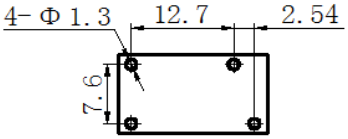
1 Form A



Schematic



PCB Layout



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