GA

29×12.6×20.6

Features

★Slim type and small occupying area can offer high density P.C.B,technique.
★Employment of suitable plastic materials to be applied to high temperature and various chemical solution.
★10A and 16A switching capabilities.
★5KV dielectric between coil to contacc.

Ordering Information

| GA | 2C | 12 | L | C | 2 | 6. NIL:10A For 1 Pole only , 2:16A For 1 Pole only |

5. Enclosure:NIL: Sealed type;C: Dust cover

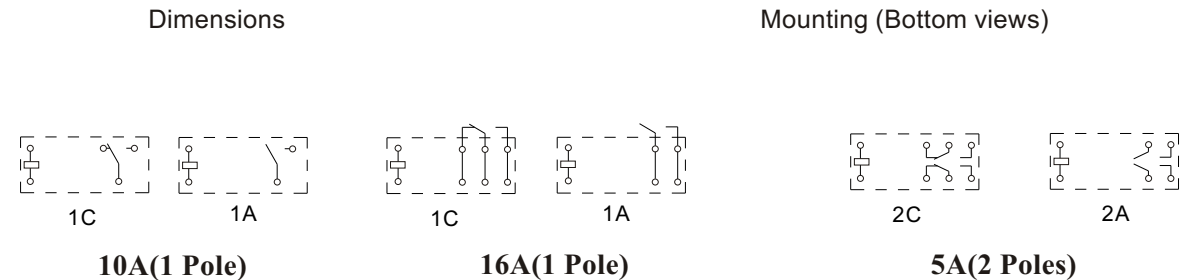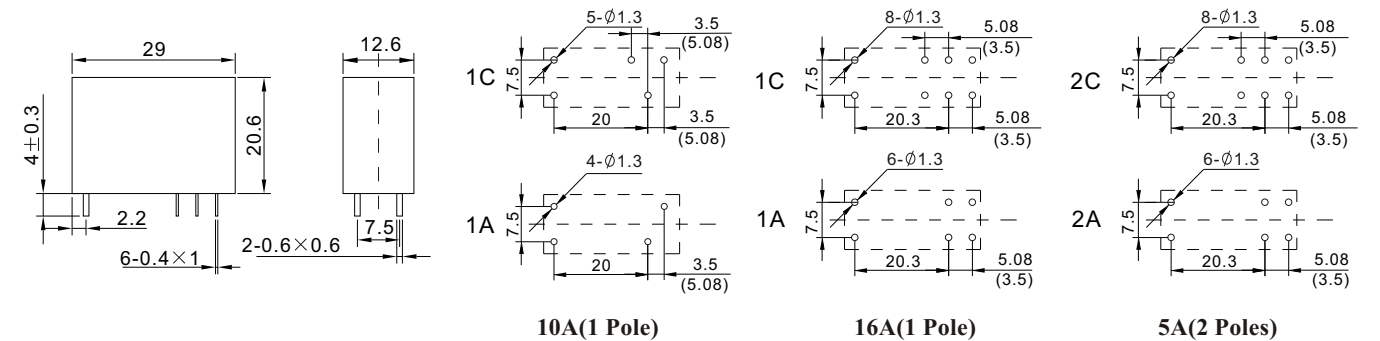4. Coil power consumption:
   D:0.72W（Standard）; L:0.54W（High sensitivity）

3. Coil rated voltage(V):DC:3, 5, 6, 9, 12, 24, 48

2. 1:1 Pole 2:2Poles
   A:Make contact B:Break contact C:Transfer contact

1. Part number:GA

Contact data

Contact Arrangement	1A,1B,1C;2A,2B,2C
Initial Contact Resistance	≤50mΩ
Contact Material	AgCdO;AgSnO2
Contact Rating(Res.Load)	1A:16A/220VAC,30VDC 1C:10A,16A,20A/220CAC,30VDC 10A/250VAC,14VDC 2A,2C:5A,8A/220VAC,30VDC; Motor load:1HP 250VAC;1/2HP 125VAC Lamp load:TV-5
Max.Switching Power	2200VA/300W
Max.switching Voltage	125VDC 380VAC
Max.switching Current	20A
UL&CUR	1C:16A/250VAC;2C:5A/220VAC 1HP 250VAC;1/2HP 125VAC ;TV-5
TUV	16A/250VAC
Mechanical life	$1×10^7$ $5×10^6$(16A,1 Pole only)
Electrical life	$1×10^5$

COIL

Coil power	Sensitive:0.54W	Standard:0.72W

Operation condition

Insulation Resistance	1000MΩ min (at 500VDC)
Dielectric Strength: Between coil and Contacts Between open contacts	50Hz 5000V 50Hz 1200V
Operate time	20ms
Release time	8ms
Shock Resistance	100m/2 11ms
Vibration Resistance	10~55Hz double amplitude 1.5mm
Temperature rise	10N
Humidity	85% (at 40℃)
Ambient temperature	-30℃~70℃
Temination	PCB
Construction	Sealed & Dust Cover
Weight	22g

Coil parameter (0.54W)

Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Max. Allowable Voltage VDC(at 20℃)	Coil Resistance (at 20℃) Ω
3	2.40	0.15	3.9	17±10%
5	4.00	0.25	6.5	47±10%
6	4.80	0.30	7.8	68±10%
9	7.20	0.45	11.7	155±10%
12	9.60	0.0	15.6	270±10%
24	19.2	1.20	31.2	1100±10%
48	38.4	2.40	62.4	4400±10%

Coil parameter (0.72W)

Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Max. Allowable Voltage VDC(at 20℃)	Coil Resistance (at 20℃) Ω
3	2.40	0.15	3.9	12.5±10%
5	4.00	0.25	6.5	36±10%
6	4.80	0.30	7.8	50±10%
9	7.20	0.45	11.7	115±10%
12	9.60	0.0	15.6	200±10%
24	19.2	1.20	31.2	820±10%
48	38.4	2.40	62.4	3300±10%

Dimensions (Unit: mm)

Dimensions   Mounting (Bottom views)

10A(1 Pole)   16A(1 Pole)   5A(2 Poles)

1C   1A   1C   1A   2C   2A

10A(1 Pole)   16A(1 Pole)   5A(2 Poles)

Wiring diagram(Bottom views)

CHARACTERISTICS CURVE

Coil tmep rise   Operate time   Life exppectancy