

FEATURES

- UL, TUV & CQC safety approval.
- Standard type & High sensitivity type available.
- UL Class F (155°C) coil insulation type available.
- TV Rated (TV-3, TV-5 or TV-8) available.
- Heavy current up to 20Amps.
- Insulation distance: 8mm.
- Dielectric strength: 5,000 VAC.
- High sensitivity in small package.
- Nominal power 540mW~720mW.
- Operating power 300mW~410mW.



UL FILE NO : E162117

TUV FILE NO: R50048089

CQC FILE NO: CQC02001001786

CONTACT RATINGS

● Contact Arrangement

.....1A、1C (942T ONLY)

.....2A、2C、1A、1C

● Contact Load Resistive Load (Cosφ=1)

1A、1C (942T ONLY)

.....16A/250VAC 20A/30VDC 10A/48VDC

1A、1C.....12A/250VAC/30VDC

2A.....7A/250VAC/30VDC

2C.....5A/250VAC/30VDC

● Max. Switching Power

1A、1C (942T ONLY).....4000VA 600W

1A、1C.....3000VA 480W

2A.....1750VA 210W

2C.....1250VA 150W

● Max. Switching Voltage

1A、1C、2A、2C.....250VAC 30VDC

● Max. Switching Current

1A、1C(942T).....20A

1A、1C.....12A

2A.....7A

2C.....5A

● Inductive Load (Cosφ=0.4, L/R=7ms)

942-T (1A).....8A/250VAC

.....8A/30VDC

942 (1A).....5A/250VAC

.....5A/30VDC

942 (2A).....2A/250VAC

.....2A/30VDC

● TV Rating

942-T (1A).....TV-8

942 (1A).....TV-5

942 (2A).....TV-3

● Contact Resistance (Initial)

.....≤100mΩ

● Contact Material.....Ag Alloy

CHARACTERISTICS

- Electrical Life..... 1×10^5
20,050 (TV Rating)
- Mechanical Life..... 1×10^7
- Contact Resistance (Initial).....≤100mΩ

- | | |
|-------------------------------|--|
| ● Operate Time | ≤15ms |
| ● Release Time | ≤8ms |
| ● Insulation Resistance | Min.1000MΩ 500 VDC |
| ● Dielectric Strength | 50/60Hz 1000VAC 1 min. (between open contacts) |
| | 50/60Hz 5000VAC 1 min. (between contacts and coil) |
| | 50/60Hz 2500VAC 1 min. (between contact sets) |
| ● Surge Strength | 10,000V (at 1.2x50 μ s) |
| ● Vibration Resistance | Malfunction: 10 to 55Hz at Double Amplitude of 1.5mm |
| | Destructive: 10 to 55Hz at Double Amplitude of 1.5mm |
| ● Shock Resistance | Malfunction: 10G (11ms) / Destructive: 100G (6ms) |
| ● Ambient Temperature | -40℃ ~ +70℃ |
| ● Relative Humidity | 85% at 40℃ |
| ● Unit Weight | Approx. 17g |

ORDERING INFORMATION

Terminal TypeNil = One Foot

Enclosure..... S = Sealed Type

Coil Voltage.....DC: 3~110V

Contact Arrangement.....1A = 1 Form A (SPST-NO)

.....2A = 2 Form A (DPST-NO)

.....2C = 2 Form C (DPDT)

Coil Sensitivity.....Nil = Standard Type (For AC coil only)

Model Number.....942

COIL RATINGS (at 20°C)

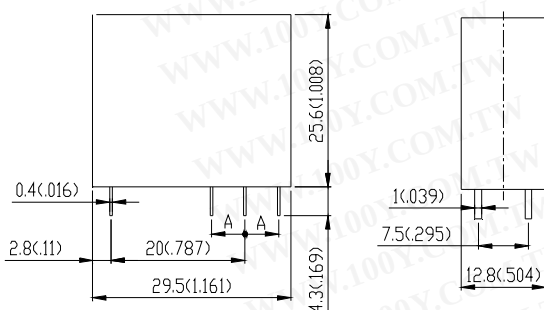
COIL TYPE	Coil Nominal Voltage (V)	Coil Resistance ($\Omega \pm 10\%$)	Pick-Up Voltage (V) $\leq$	Drop-Out Voltage (V) $\geq$	Nominal Current (mA)
DC Standard Coils	3	12.5	2.1	0.3	240
	5	36	3.5	0.5	138.9
	6	50	4.2	0.6	120
	9	115	6.3	0.9	78.3
	12	200	8.4	1.2	60
	24	820	16.8	2.4	29.3
	48	3300	33.6	4.8	14.5
	100/110	14144	70	10	7
DC High Sensitive Coils	3	17	2.25	0.3	176.5
	5	47	3.75	0.5	106.4
	6	68	4.5	0.6	88
	9	155	6.75	0.9	58
	12	270	9	1.2	44.4
	24	1100	18	2.4	21.8
	48	4400	36	4.8	10.9
	100/110	18860	75	10	5.3
AC	6	16.5	4.8	1.8	
	12	63	9.6	3.6	
	24	250	19.2	7.2	
	110/120	5600	88	33	
	220/240	22000	176	66	

* Max Continuous Voltage at 20°C: 130% of Coil Nominal Voltage.

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 勝特力电子(上海) 86-21-34970699
 勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

OUTLINE DIMENSIONS

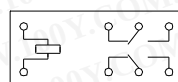
Dimensions



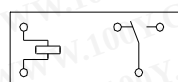
A: 3.5 (.138) ; 5.0 (.197)

REMARK: Tolerance of outline dimensions: $\pm 0.3(.012)$.

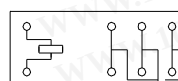
Internal Connections
(Bottom View)



2C

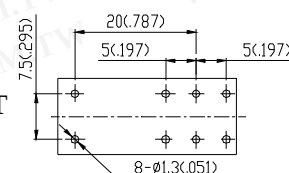
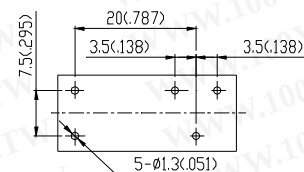
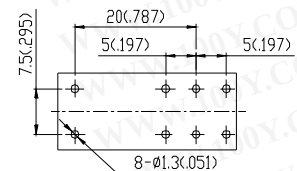


1C



1C-T

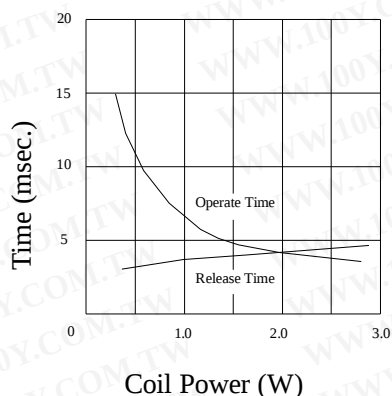
Drilling Plan
(Bottom View)



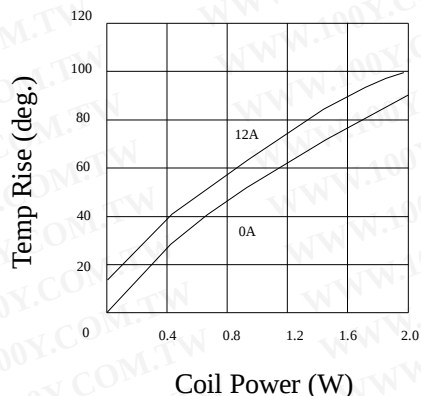
UNIT: mm (inch)

942-1A、942-1C Referential Data

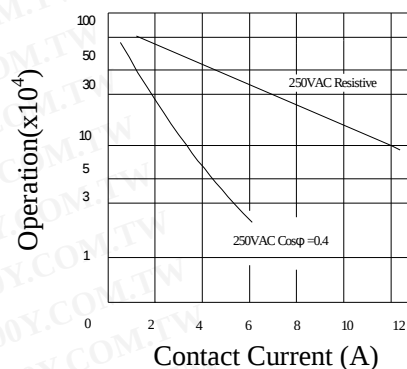
Timing



Coil Temperature Rise

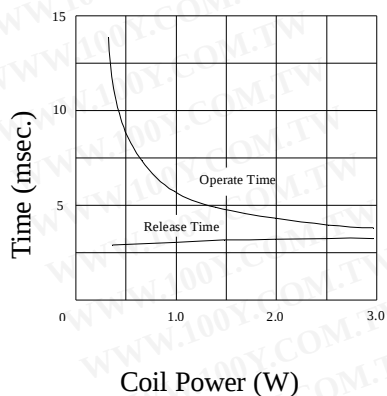


Life Curves

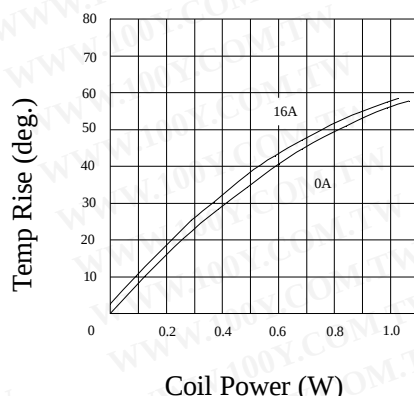


942-1A-T、942-1C-T Referential Data

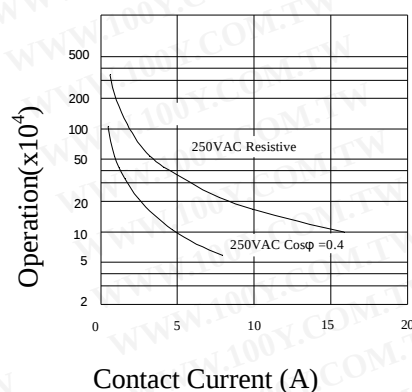
Timing



Coil Temperature Rise

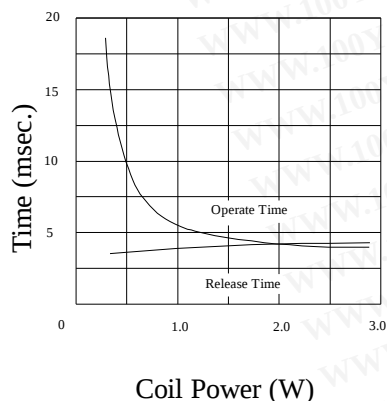


Life Curves

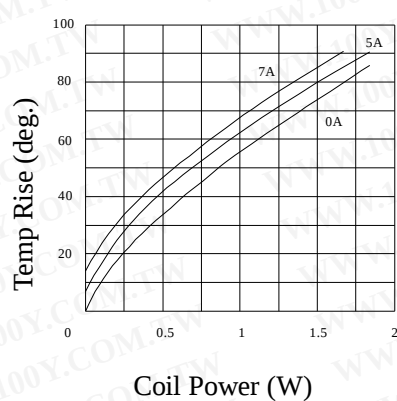


942-2A、942-2C Referential Data

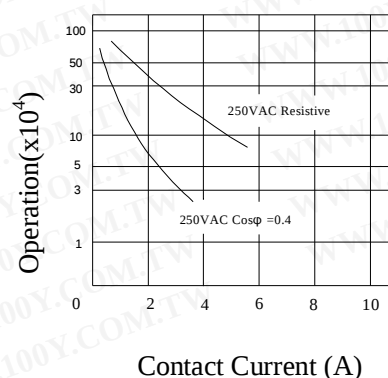
Timing



Coil Temperature Rise

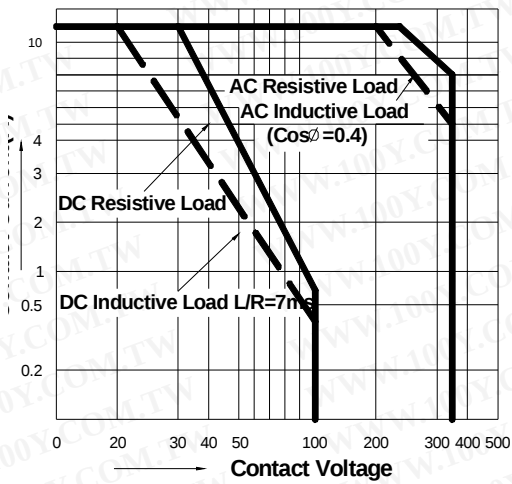


Life Curves

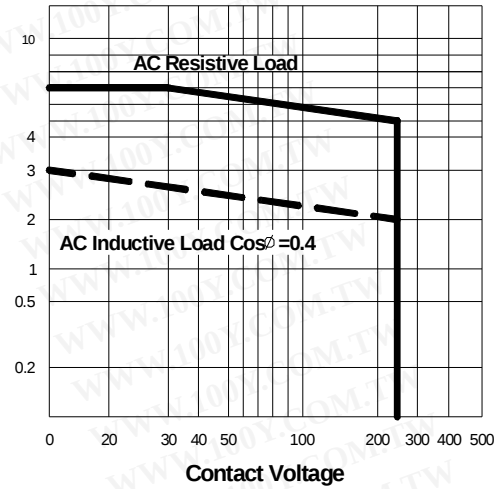


942 Reference Data

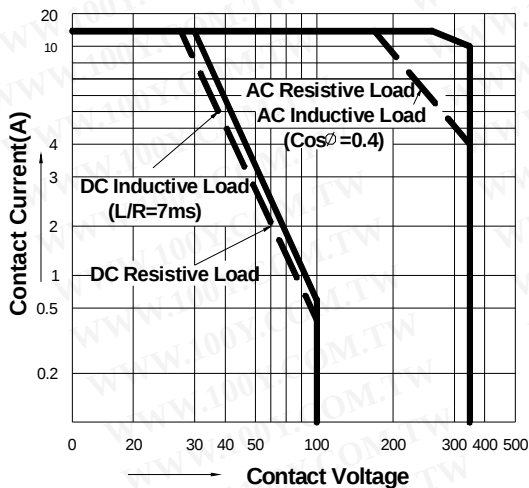
942-1 Maximum Switching Power



942-2 Maximum Switching Power



942-T Maximum Switching Power



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