

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

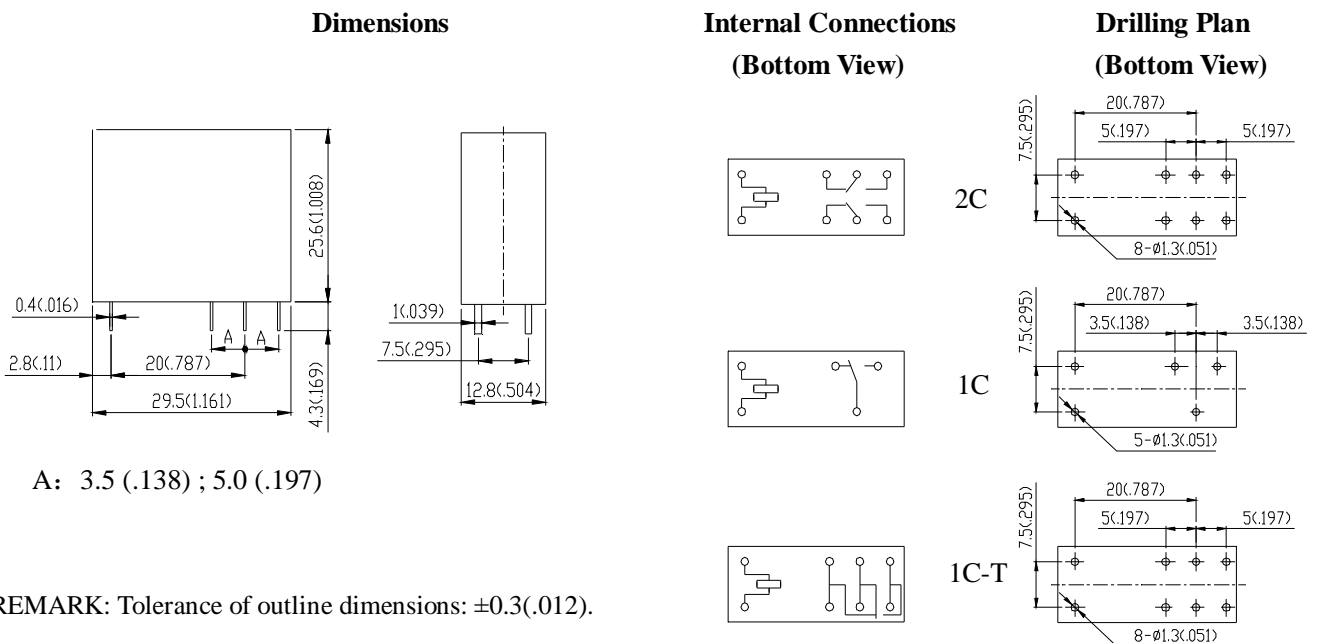
- Electrical Life.....1×10⁵
-20,050 (TV Rating)
- Mechanical Life.....1×10⁷
- Contact Resistance (Initial).....≤100mΩ

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.

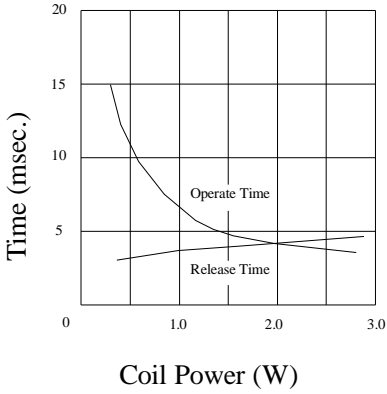
OUTLINE DIMENSIONS



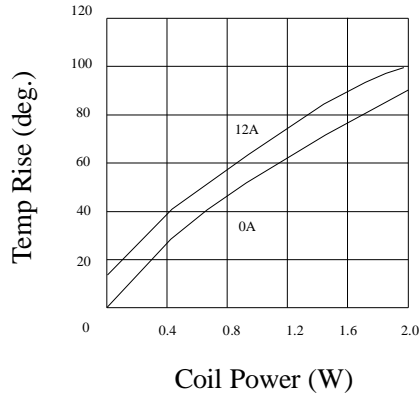
UNIT: mm (inch)

942-1A、942-1C Referential Data

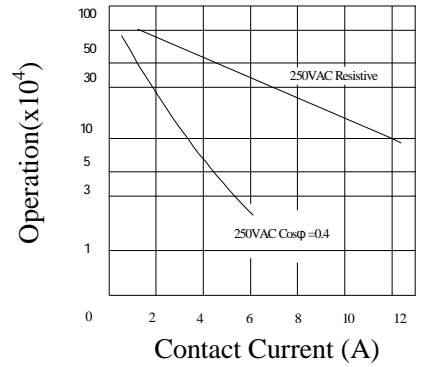
Timing



Coil Temperature Rise

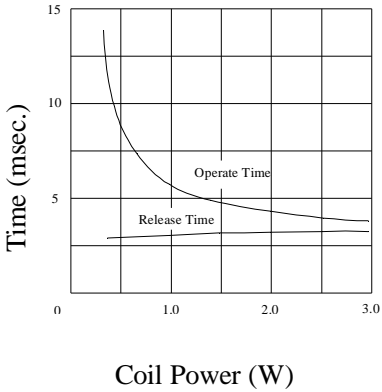


Life Curves

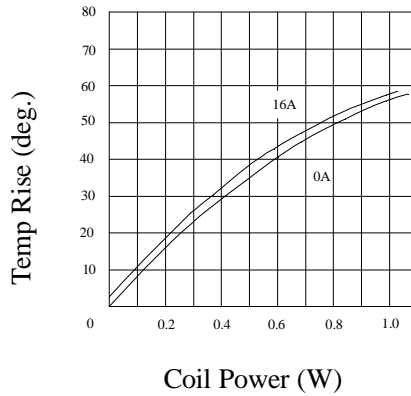


942-1A-T、942-1C-T Referential Data

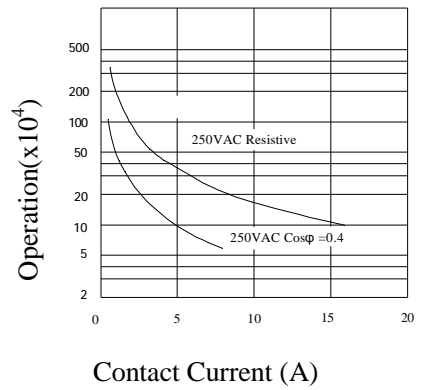
Timing



Coil Temperature Rise

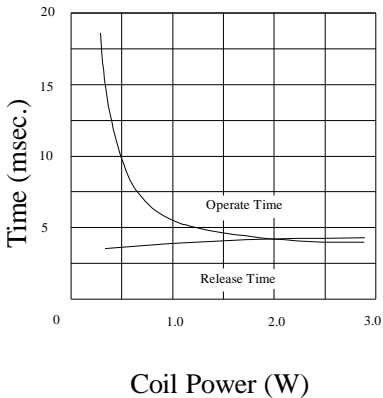


Life Curves

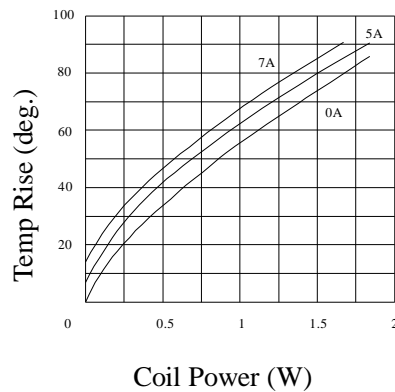


942-2A、942-2C Referential Data

Timing



Coil Temperature Rise



Life Curves

