

TRAF

- 25A miniature general purpose power relay.
- Ideal for motor switching in appliances and HVAC equipment.
- Designed for high inrush compressor loads.
- With or without quick connect terminal & PCB terminal.
- Semi-sealed construction.
- Conform to RoHS,ELV directive.



ORDERING CODE

TRAF	D	—	12VDC	—	H	L	F	(XX)
1	2	3	4	5	6	7		
1. Relay Model TRAF: PCB&QC, TRAF-P: PCB	2. Coil Power D=0.9W, N=1.4W	3. Coil Nominal Voltage 5,6,9,12,18,24,48VDC	4. Contact form H: Form A	5. Contact Rating Nil:Standard, L:Low Capacity, T:30A	6. Insulation System Nil:Standard, B:Class B, F:Class F	7. Special Code Nil:Standard, Letter or number:Special requirement		

COIL DATA at 20°C)

Nominal Voltage (VDC)	5	6	9	12	18	24	48	
Coil Resistance ($\Omega \pm 10\%$)	27.8	40	90	160	360	640	2560	
Rated Current (mA)	180	150	100	75	50	37.5	18.75	0.9W
Max Operate Voltage (VDC)	3.75	4.5	6.75	9	13.5	18	36	
Min Release Voltage (VDC)	0.25	0.3	0.45	0.6	0.9	1.2	2.4	
Nominal Voltage (VDC)	5	6	9	12	18	24	48	
Coil Resistance ($\Omega \pm 10\%$)	17.9	25.7	57.9	102.9	231.4	411.4	1645.7	
Rated Current (mA)	280	233.33	155.56	116.67	77.78	58.33	29.17	1.4W
Max Operate Voltage (VDC)	3.75	4.5	6.75	9	13.5	18	36	
Min Release Voltage (VDC)	0.25	0.3	0.45	0.6	0.9	1.2	2.4	
Max Applicable Voltage	70°C 130%, 23°C 170%							

CONTACT DATA

Contact Form	1H
Contact Material	Silver Alloy
Load	Resistive load(COS Φ 1)

Contact Ratings	D-H:25A 250VAC; D-HL:18A 250VAC; N-H:22A 250VAC; D-HT: 30A250VAC
Minimum load	100mA 5VDC
Max Switching Voltage	250VAC
Max Switching Current	30A
Max Switching Power	6250VA
Contact Resistance	100m Ω Max at 6VDC 1A
Life Expectancy	Electrical : 100, 000 Operations(at30Operations/minute)
	Mechanical : 10, 000, 000 Operations(at300Operations/minute)

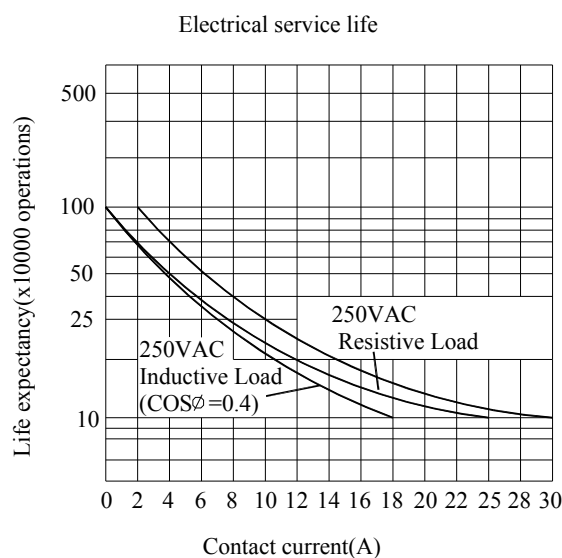
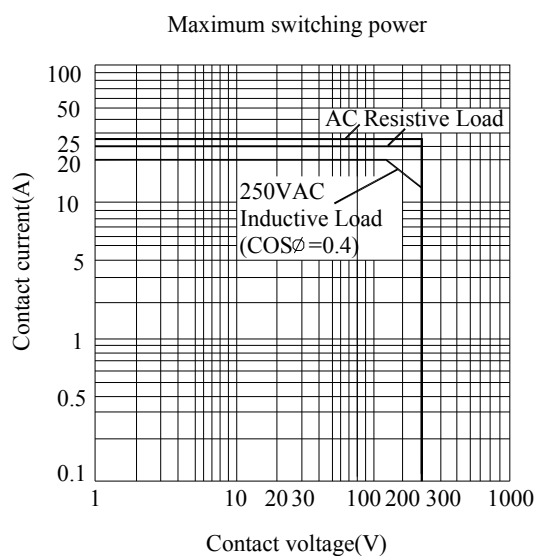
■ CHARACTERISTICS DATA

Insulation Resistance	1000M Ω Min at 500VDC
Dielectric Strength Between Open Contacts	D:1500VAC(for one minute) , N:2500VAC(for one minute)
Between Contacts and coil	4500VAC(for one minute)
Operate Time	≤ 20 ms
Release Time	≤ 10 ms
Temperature Range	-40°C to +85°C (no freezing)
Shock Resistance	Operating Extremes : 10G
	Damage Limits : 100G
Vibration Resistance	10-55Hz, 1.5mm
Max. switching frequency	Mechanical:18,000operations/hr
	Electrical:1,800operations/hr
Humidity	40-85%
Weight	Approx 23g
Constrution	Dust protected
Safety Standard	

■ APPROVED STANDARDS

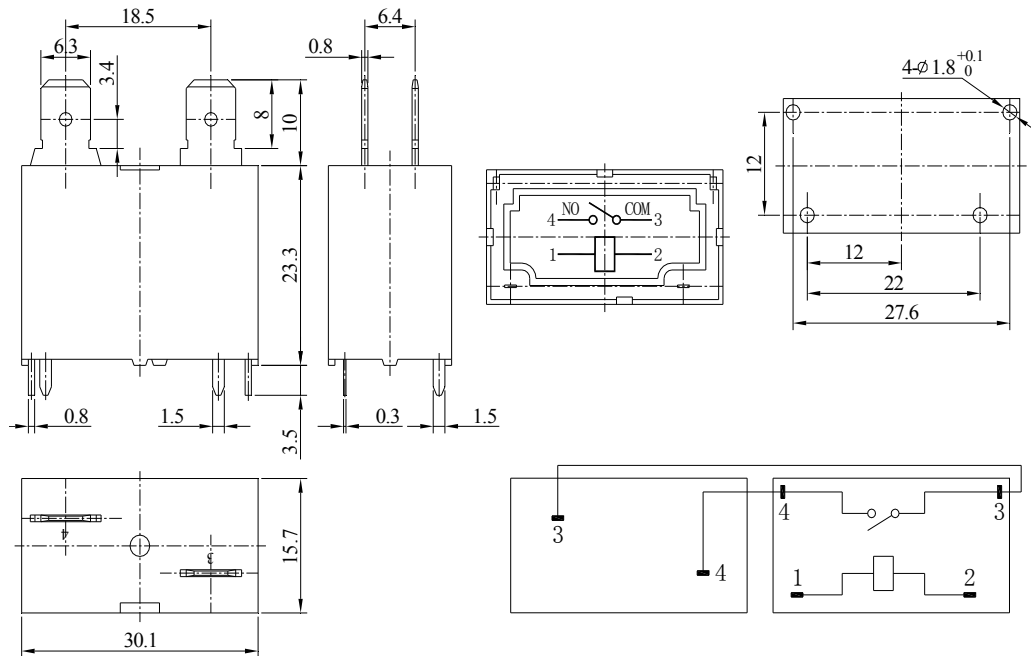
Model	Coiling rating	Safety Standard	Contact rating
TRAF	5 to 48VDC	UL,CUL	20A 250VAC
		TÜV	D-H:25A 250VAC, D-HL:18A 250VAC
		CQC	D-H:25A 250VAC, D-HL:18A 250VAC

■ ENGINEERING DATA



■ OVERALL AND MOUNTING DIMENSIONS

TRAF



TRAF-P

