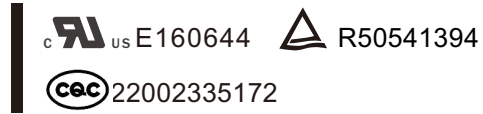




29 × 21.5 × 15.7

NT98



Features
<ul style="list-style-type: none"> 50A switching capability. 5kV dielectric strength between the coil and contact, 8kV surge voltage. UL, TÜV and CQC approved. Max. switching power can achieve 13850VA. Meets UL 508 standard, conforms to IEC61810-1 reinforced insulation. Suitable for the machine tools, electrical equipment, air conditioning and various household appliances.

Ordering Information		
<p>NT98 <u>W</u> <u>A</u> <u>E</u> <u>S</u> <u>0.9</u> <u>DC12V</u></p> <p>1 2 3 4 5 6 7</p>		
<table border="0"> <tr> <td style="vertical-align: top;"> 1 Part number: NT98 2 Common pin and NO pin width: Nil:standard; W:3.3mm 3 Contact arrangement: A:1A; 4 Enclosure: S: Wash tight; E: Flux proof </td> <td style="vertical-align: top;"> 5 Contact material: S: AgSnO₂ 6 Coil power: 0.9:0.9W; 1.5:1.5W 7 Coil rated voltage(V): DC:5,6,9,12,24,48 </td> </tr> </table>	1 Part number: NT98 2 Common pin and NO pin width: Nil:standard; W:3.3mm 3 Contact arrangement: A:1A; 4 Enclosure: S: Wash tight; E: Flux proof	5 Contact material: S: AgSnO ₂ 6 Coil power: 0.9:0.9W; 1.5:1.5W 7 Coil rated voltage(V): DC:5,6,9,12,24,48
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Contact Data	
Contact Arrangement	1A(SPSTNO)
Contact Material	AgSnO ₂
Contact Rating ¹⁾	0.9W
	1.5W
	30A/277VAC 40A/277VAC
	50A/277VAC
	Motor load:1HP 125VAC TV-8 250VAC
Max. Switching Power	13850VA
Max. Switching Voltage	480VAC
Max. Switching Current	50A
Contact Resistance	≤100mΩ(100mA/6VDC)
Min. Recommended contact load	1A 12VAC/VDC
Electrical Endurance	50A/277VAC(1.5W) 40°C 1×10 ⁴ 40A/480VAC 40°C 2×10 ⁴ 30A/277VAC 85°C 5×10 ⁴ 1HP 125VAC 1×10 ⁵ TV-8 250VAC 2.5×10 ⁴
Mechanical Endurance	1×10 ⁷

Notes: 1)Remove vent nib after soldering and cleaning.

Coil Parameter

DC Coil Parameter										
Dash numbers	Coil voltage VDC		Coil resistance $\Omega \pm 10\%$	Pick-up voltage VDC(max) (75%of rated voltage)	Drop-out voltage VDC(min) (10%of rated voltage)	Coil power W	Operate time ms	Release time ms		
	Rated	Max								
005-900	5	6.5	28	3.75	0.5	0.9	≤ 15	≤ 10		
006-900	6	7.8	40	4.50	0.6					
009-900	9	11.7	90	6.75	0.9					
012-900	12	15.6	160	9.00	1.2					
024-900	24	31.2	640	18.00	2.4					
048-900	48	62.4	2560	36.00	4.8					
005-900	5	6.5	16.7	3.75	0.5	1.5			≤ 15	≤ 10
006-900	6	7.8	24	4.50	0.6					
009-900	9	11.7	54	6.75	0.9					
012-900	12	15.6	96	9.00	1.2					
024-900	24	31.2	384	18.00	2.4					
048-900	48	62.4	1536	36.00	4.8					

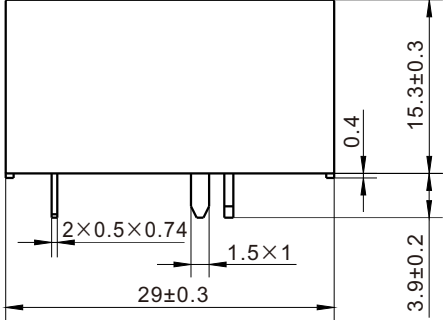
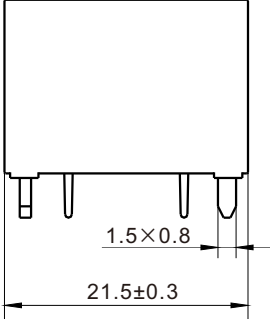
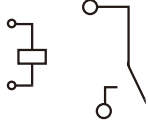
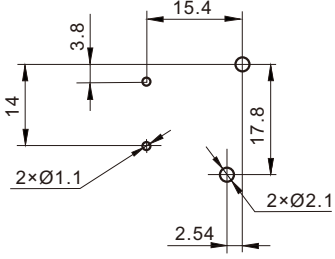
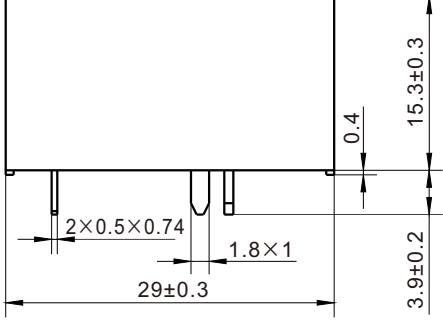
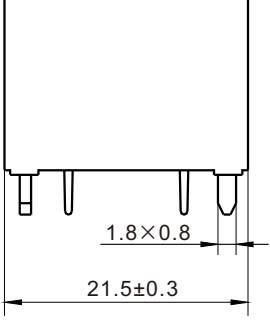

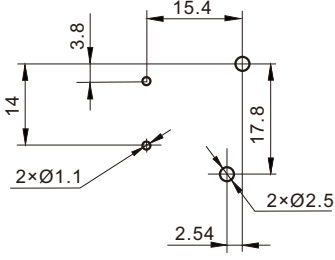
Notes: 1. The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay.
2. Pick-up and drop-out voltage are for test purposes only and are not to be used as design criteria.

Safety Approvals

Safety approval	UL&CUR	TüV	CQC
Load	50A/277VAC 40°C 6×10^3 40A/277VAC 40°C 2×10^3 30A/277VAC 85°C 5×10^4 1HP 125VAC 1×10^5 TV-8 250VAC 2.5×10^4	50A/250VAC,277VAC 40°C 6×10^3 40A/250VAC,277VAC 40°C 2×10^4 30A/277VAC,250VAC 85°C 5×10^4	50A/250VAC,277VAC 40°C 1×10^4 40A/250VAC,277VAC 40°C 2×10^4 30A/277VAC,250VAC 85°C 5×10^4

Characteristics

Insulation Resistance	1000M Ω min (at 500VDC)	Item 4.11 of IEC 61810-7
Dielectric Strength Between Contacts Between Contact and Coil	1500VAC 1min 5000VAC 1min	Item 4.9 of IEC 61810-7
	Surge voltage 8kV(1.2/50 μ s)	Item 4.10 of IEC 61810-7
Clearance/Creepage	6.4mm/8.0mm	
Shock Resistance	Functional: 98m/s ² 11ms	Item 4.26 of IEC 61810-7
	Destructive: 980m/s ² 11ms	Item 4.26 of IEC 61810-7
Vibration Resistance	10Hz~55Hz Double amplitude 1.5mm	Item 4.28 of IEC 61810-7
Terminals Strength	10N	Item 4.24 of IEC 61810-7
Ambient Temperature	-40°C~105°C	
Relative Humidity	5% to 85%	Item 4.16 of IEC 61810-7
Weight (Approx.)	20g	Item 4.7 of IEC 61810-7

Dimensions	mm
30A&40A	
	
Dimensions	
 <p data-bbox="448 1010 735 1037">Wiring diagram(Bottom view)</p>	 <p data-bbox="1031 1070 1262 1097">Mounting(Bottom view)</p>
50A	
	
Dimensions	
 <p data-bbox="448 1794 735 1821">Wiring diagram(Bottom view)</p>	 <p data-bbox="1062 1865 1294 1892">Mounting(Bottom view)</p>
Common pin and NO pin width:Standard	

