



29×12.7×15.7

NT75

UL E158859 VDE 40020063 R50157181 CQC 08001023388

Features

- Small size, lightweight. Low coil consumption.
- Switching capacity up to 20A.
- PC board mounting.
- Suitable for household electrical appliances, automation system, electrical equipment, instrument, meter telecommunication facilities and remote control facilities.

Ordering Information

NT75 C S 12 DC12V 0.25 3.5 N G
 1 2 3 4 5 6 7 8 9

1 Part number: NT75	5 Coil rated voltage(V): DC:5,6,9,12,24,48,60,110 AC:24,115,230
2 Contact arrangement:A:1A;A2:1A2;C:1C;C2:1C2; 2A:2A;2C:2C	6 Coil power consumption: 0.25:0.25W;0.41:0.41W;0.72:0.72W 0.75:0.75VA
3 Enclosure:S: Sealed type; Z: Dust cover	7 Pole-distance: 3.5:3.5mm; 5.0:5.0mm
4 Contact rating:12A,16A/250VAC 30VDC; NO:20A/277VAC,NC:16A/277VAC 2A,2C(0.41W);8A/250VAC 30VDC;8A,10A/277VAC	8 Contact material: NIL:AgSnO ₂ ; N:AgNi; C:AgCdO
	9 Contact plating: Nil:Standard; G:Gold plated

Contact Data

Contact Arrangement	1A (SPSTNO) 1C (SPDT(B-M)) 2A (DPSTNO) 2C (DPDT(B-M))
Contact Material	AgNi AgSnO ₂ AgCdO
Contact Rating (resistive)	1A,1C:12A,16A,20A/250VAC,30VDC (rushing current 80A) NO:20A/277VAC NC:16A/277VAC 2A,2C(0.41W):8A/250VAC,30VDC 8A,10A/277VAC
Max. Switching Power	480W 5600VA 2C:240W 2800VA
Max. Switching Voltage	125VDC 440VAC Max. Switching Current:20A
Contact Resistance or Voltage drop	<100mΩ Item 4.12 of IEC 61810-7
Operational life	Electrical 10 ⁵ Item 4.30 of IEC 61810-7
	Mechanical 10 ⁷ Item 4.31 of IEC 61810-7

CAUTION: 1.For the intermediate current(10mA/6VDC~100mA/28VDC), it only applies to the room temperature.
 2.For gold plated version, the min. Switching current and min. switching voltage is 50mA/6VDC; for non gold plated version (standard type),the min. switching current and min. switching voltage is 100mA/6VDC.

Coil Parameter

Dash numbers	Coil voltage VDC		Coil resistance Ω ±10%	Pickup voltage VDC(max) (70%of rated voltage)	Release voltage VDC(min) (10% of rated voltage)	Coil power consumption W	Operate Time ms	Release Time ms
	Rated	Max.						
005-250 006-250 009-250 012-250 024-250 048-250 060-250	5 6 9 12 24 48 60	6.5 7.8 11.7 15.6 31.2 62.4 78	100 144 324 576 2304 9216 12857	3.5 4.2 6.3 8.4 16.8 33.6 42	0.5 0.6 0.9 1.2 2.4 4.8 6.0	0.25	≤15	≤8
005-410 006-410 009-410 012-410 024-410 048-410	5 6 9 12 24 48	6.5 7.8 11.7 15.6 31.2 62.4	61 88 198 351 1405 5620	3.5 4.2 6.3 8.4 16.8 33.6	0.5 0.6 0.9 1.2 2.4 4.8	0.41	≤15	≤8
060-480 110-480	60 110	78 143	7500/±15% 25200/±15%	42 77	6.0 11.0			
005-720 006-720 009-720 012-720 024-720 048-720	5 6 9 12 24 48	6.5 7.8 11.7 15.6 31.2 62.4	34.7 50 112.5 200 800 3200	3.5 4.2 6.3 8.4 16.8 33.6	0.5 0.6 0.9 1.2 2.4 4.8	0.72	≤15	≤8

CAUTION: 1.The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay.
 2.Pickup and release voltage are for test purposes only and are not to be used as design criteria.

Coil Parameter(AC)

Dash numbers	Coil voltage VAC		Coil resistance Ω ±10%	Rated current (mA)	Pickup voltage VAC(max) (70%of rated voltage)	Release voltage VAC(min) (10% of rated voltage)	Coil power consumption VA
	Rated	Max.					
024AC-750 115AC-750 230AC-750	24 115 230	31.2 149.5 299	350 8100/±15% 32500/±15%	31.6 6.6 3.2	18 86.3 172.5	3.6 17.3 34.5	0.75

CAUTION: 1.The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay.
 2.Pickup and release voltage are for test purposes only and are not to be used as design criteria.

Operation condition

Insulation Resistance	1000MΩ min (at 500VDC)	Item 7 of IEC 60255-5
Dielectric Strength Between contacts Between contact and coil	50Hz 1000V 50Hz 5000V	Item 6 of IEC 60255-5 Item 6 of IEC 60255-5
Shock resistance	100m/s ² 11ms	IEC 68-2-27 Test Ea
Vibration resistance	10Hz~55Hz double amplitude 1.5mm	IEC 68-2-6 Test Fc
Terminals strength	10N	IEC 68-2-21 Test Ua1
Solderability	235C ±2C 3s ±0.5s	IEC 68-2-20 Test Ta method 1
Ambient Temperature	-40C~85C	
Relative Humidity	85% (at 40C)	IEC 68-2-3 Test Ca
Mass	11g 12g	

Safety approvals

Safety approval	VDE	UL&CUR	TUV	CQC
Load	1A,1C:16A/250VAC 2A,2C:8A/250VAC	1A,1C:12A,16A/250VAC, 12A/30VDC(1C) 2A,2C:8A/277VAC,30VDC	1A,1C: NO:20A/277VAC NC:16A/277VAC 2A,2C: 10A/277VAC	1A,1C: 16A/250VAC 2A,2C: 8A/250VAC

Dimensions

