



73.7×54.1×35.6

N375



Features	
• heavy reverse power: 30A/300VAC, 30VDC	
• Optional mounting ways.	
• Firm structure, strong anti-shock & anti vibration.	
• Suitable for automatic control, household electrical appliances and machinery electrical facilities.	

Ordering Information	
N375 3C a DC12V P	
1 Part number: N375	4 Coil rated voltage: DC:6,12,24,48,110
2 Contact arrangement: 3A:3A; 3B:3B; 3C:3C	AC: 6,12,24,48,120,208,240
3 Terminal: a: inserting type; b: PCB type	5 Cover: F:F mode; P:P mode; TM:TM model

Contact Data	
Contact Arrangement	3A (3PSTNO), 3B (3PSTNC), 3C (3PDT (B-M))
Contact Material	AgCdO AgSnO ₂
Contact Rating (Resistive)	30A/300VAC,30VDC; 2HP 240VAC , 1HP 120VAC
Max. Switching Power	900W 9000VA
Max. Switching Voltage	150VDC 380VAC
Max. Resistance or Voltage drop	≤50mΩ Max. Switching Current:30A
Operational life	Electrical 1 × 10 ⁵ Item 4.30 of IEC 61810-7 Mechanical 1 × 10 ⁷ Item 4.31 of IEC 61810-7

Coil Parameter								
Dash numbers	Rated voltage V		Coil resistance Ω ±10%	Pick up voltage V(max) (85%of rated voltage)	Release voltage V(min) (20%of rated voltage)	COIL POWER	Operate Time ms	Release Time ms
	Rated	Max.						
AC								
006AC	6	6.6	2.4	5.1	1.2	4.5VA	—	—
012AC	12	13.2	9.5	10.2	2.4			
024AC	24	26.4	35	20.4	4.8			
048AC	48	52.8	150	40.8	9.6			
120AC	120	132	570	102.0	24.0			
208AC	208	229	3075	176.8	41.6			
240AC	240	264	3800	204.0	48.0			
DC				75%of rated voltage	10%of rated voltage			
006-2600	6	6.6	14	4.5	0.6	2.6W	≤15	≤5
012-2600	12	13.2	55	9.0	1.2			
024-2600	24	26.4	230	18.0	2.4			
048-2600	48	52.8	900	36.0	4.8			
110-2600	110	121	4900	82.5	11.0			

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	100M Ω min (at 500VDC)	Item 7 of IEC 60255-5
Dielectric Strength	Between contacts 50Hz 2200V	Item 6 of IEC 60255-5
	Between contact and coil 50Hz 3750V	Item 8 of IEC 60255-5
Shock resistance	100m/s ² 11ms	IEC 68-2-27 Test Ea
Vibration resistance	10~55Hz double amplitude 1.5mm	IEC 68-2-6 Test Fc
Terminals strength	8N	IEC 68-2-21Test Ua2
Solderability	235℃ ± 2℃ 3 ± 0.5s	IEC 68-2-20 Test Ta method 1
Ambient Temperature	-25~60℃	
Relative Humidity	85% (at 40℃)	IEC 68-2-3 Test Ca
Mass	99g	

Safety approvals	
Safety approval	UL&CUR
Load	30A/300VAC 2HP240VAC 1HP120VAC

Dimensions

mm /inch

Dimensions: P Model, F Model, TM Model. Key dimensions include 69.85 (2.750), 4.32 (0.170), 80.26Max. (3.160max.), 59.65Max. (2.350max.), 1.57 (0.062), 54.1Max. (2.130max.), 2.130max., 35.56Max. (1.400max.), 1.400max., 73.65Max. (2.900max.), 63.50 (2.500), 48.2 (1.898), 0.079, 3.96 (0.156), 15.88 (0.625), 11-6.35x0.8 (0.250x0.031), 2.29x0.81 (0.090x0.032), 1.4x0.81 (0.055x0.032), 3.81 (0.150), 59.7 (2.350), 2.5 (0.098), 1.8 (0.071), 1.5 (0.059).

Mounting (Bottom view): Shows terminal positions 1-9 and dimensions 38.1 (1.500), 22.78 (0.897), 16.4 (0.646), 7.62 (0.300), 22.2 (0.874), 9-∅2.7 (∅0.071), 2-∅1.8 (∅0.071).

Wiring diagram (Bottom view): Shows 3A, 3B, and 3C contact configurations with terminals 1-9 and coil terminals A and B.

NOTES: 1).Dimensions are in millimeters.
2).Inch equivalents are given for general information only.