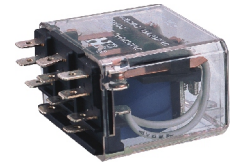


# DB ELECTRO<sup>CO., LTD.</sup>

Présente / Presents:

NINGBO HUAGUAN ELECTRONICS CO., LTD.





73.7×54.1×35.6

# N375



Features	
• heavy reverse power: 30A/300VAC, 28VDC	
• Optional mounting ways.	
• Firm structure, strong anti-shock & anti vibration.	
• Suitable for automatic control, household electrical appliances and machinery electrical facilities.	

Ordering Information	
<b>N375 3C a DC12V P</b>	
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 <sub>2</sub>
Contact Rating (Resistive)	3A,3B,3C:30A/300VAC,28VDC; 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 <sup>5</sup> Item 3.30 of IEC255-7 Mechanical 1 × 10 <sup>7</sup> Item 3.31 of IEC255-7

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 IEC255-5
Dielectric Strength	Between contacts 50Hz 2200V Between contact and coil 50Hz 3750V	Item 6 of IEC255-5 IEC68-2-27 Test Ea
Shock resistance	100m/s <sup>2</sup> 11ms	Item 8 of IEC255-5
Vibration resistance	10~55Hz double amplitude 1.5mm	IEC68-2-6 Test Fc
Terminals strength	8N	IEC68-2-21 Test Ua2
Solderability	235°C ± 2°C 3 ± 0.5s	IEC68-2-20 Test Ta method 1
Ambient Temperature	-25~60°C	
Relative Humidity	85% (at 40°C)	IEC68-2-3Test Ca
Mass	99g	

**Qualification inspection:**  
Perform the qualification test as specified in the table IV of IEC255-19-1 and minimum sample size 24.

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

### Dimensions

mm / inch

**P Model**  
 Dimensions: 2.29x0.81 (0.090x0.032), 3.81 (0.150), 1.4x0.81 (0.055x0.032), 5.97 (2.350), 48.2 (1.898), 0.079, 3.96 (0.156), 15.88 (0.625), 54.1Max. (2.130max.), 63.50 (2.500), 73.65Max. (2.900max.), 11-6.35x0.8 (0.250x0.031), 2.5 (0.098), 1.8 (0.071), 1.5 (0.059).

**F Model**  
 Dimensions: 69.85 (2.750), 4.32 (0.170), 80.26Max. (3.160max.), 1.57 (0.062), 59.65Max. (2.350max.).

**TM Model**  
 Dimensions: 38.1 (1.500), 9-∅2.7 (∅0.071), 22.78 (0.897), 16.48 (0.646), 7.62 (0.300), 22.2 (0.874), 2-∅1.8 (∅0.071).

**Mounting (Bottom view)**  
 Shows terminal layouts for 3A, 3B, and 3C contact arrangements.

**Wiring diagram (Bottom view)**  
 Shows electrical connections for 3A, 3B, and 3C contact arrangements.

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