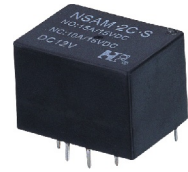


# DB ELECTRO<sup>CO., LTD.</sup>

Présente / Presents:

NINGBO HUAGUAN ELECTRONICS CO., LTD.





23.1×17.2×16.2



# NSAM

Features	
<ul style="list-style-type: none"> <li>Switching capacity up to 20A.</li> <li>PC board mounting.</li> <li>Suitable for automobile accessories.</li> </ul>	

Ordering Information	
<b>NSAM 2C S 15 12VDC</b>	
1 Part number: NSAM	3 Enclosure: S: Sealed type; Z: Dust cover
2 Contact arrangement: 2A:2A; 2C:2C:	4 Contact current: 7A,10A,15A,20A
	5 Coil rated voltage(V): DC:5,6,9,12,18,24

Contact Data	
Contact Arrangement	2A (DPSTNO) ,2C (DPDT(B-M))
Contact Material	AgSnO <sub>2</sub>
Contact Rating (resistive)	NO: 15A,20A/15VDC, 10A,15A/24VDC,125VAC ; NC: 10A,15A/15VDC,125VAC; 7A,10A/24VDC
Max. Switching Power	300W 2000VA
Max. Switching Voltage	30VDC 220VAC Max. Switching Current:20A
Contact Resistance or Voltage drop	<50mΩ Item 3.12 of IEC255-7
Operation life	Electrical: 10 <sup>5</sup> Item 3.30 of IEC255-7 Mechanical: 10 <sup>7</sup> Item 3.31 of IEC255-7

Dash numbers	Coil voltage VDC		Coil resistance Ω ±10%	Pickup voltage VDC(max) (75%of rated voltage )	Release voltage VDC(min) (5% of rated voltage)	Coil power consumption W	Operate Time ms	Release Time ms
	Rated	Max.						
005-450	5	6.5	56	3.75	0.25	0.45	<10	<5
006-450	6	7.8	80	4.50	0.30			
009-450	9	11.7	180	6.75	0.45			
012-450	12	15.6	320	9.00	0.60			
018-450	18	23.4	720	13.5	0.90			
024-450	24	31.2	1280	18.0	1.20			

**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	100MΩ min (at 500VDC)	Item 7 of IEC255-5
Dielectric Strength	50Hz 500V	Item 6 of IEC255-5
Between contacts	50Hz 1000V	Item 6 of IEC255-5
Between contact and coil		
Shock resistance	100m/s <sup>2</sup>	11msIEC68-2-27 Test Ea
Vibration resistance	10~55Hz double amplitude 1.5mm	IEC68-2-6 Test Fc
Terminals strength	5N	IEC68-2-21 Test Ua1
Solderability	235℃ ± 2℃ 3 ± 0.5s	IEC68-2-20 Test Ta method 1
Ambient Temperature	-30~85℃	
Relative Humidity	85% (at 45℃)	IEC68-2-3Test Ca
Mass	15g	

### Qualification inspection:

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

### Dimensions

mm /inch

Dimensions

Mounting (Bottom view)

2C                      2A  
Wiring diagram(Bottom view)

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

### Reference Data

