

Features

- Switching capacity up to 25A.
- PC board mounting and insert mounting available.
- Suitable for automation system and automobile auxiliary etc.

Ordering Information

NVFM C Z 20 DC12V 1.5 b D

1 2 3 4 5 6 7 8

1 Part number: NVFM

2 Contact arrangement: A:1A (1.2W); C:1C(1.5W)

3 Enclosure: S: Sealed type; Z: Dust cover;

4 Contact Current: 25:25A/14VDC; 20:20A/14VDC

5 Coil rated Voltage(V): DC:6,12,24,48

6 Coil power consumption: 1.2:1.2W; 1.5:1.5W

7 Terminals: b: PCB type; a: plug in type

8 Coil transient suppression: D: with diode;

R: with resistant; .

NIL: standard

Contact Data

Contact Arrangement

1A (SPSTNO), 1C (SPDT(B-M))

Contact Material

Ag-SnO₂, AgNi, Ag-CdO

Contact Rating (resistive)

1A: 25A/14VDC; 1C: 20A/14VDC

Max. Switching Power

350W

Max. Switching Voltage

75VDC

Max. Switching Current:25A

Contact Resistance or Voltage drop

≤50mΩ

Item 3.12 of IEC255-7

Operation | Electrical

10⁵

Item 3.30 of IEC255-7

life | Mechanical

10⁷

Item 3.31 of IEC255-7

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.						
006-1200	6	7.8	30	4.2	0.6	1.2	≤10	≤7
012-1200	12	15.6	120	8.4	1.2			
024-1200	24	31.2	480	16.8	2.4			
048-1200	48	62.4	1920	33.6	4.8			
006-1500	6	7.8	24	4.2	0.6	1.5	≤10	≤7
012-1500	12	15.6	96	8.4	1.2			
024-1500	24	31.2	384	16.8	2.4			
048-1500	48	62.4	1536	33.6	4.8			

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.

Ambient Temperature

-40~85°C

Relative Humidity

85% (at 40°C)

IEC68-2-3 Test Ca

Mass

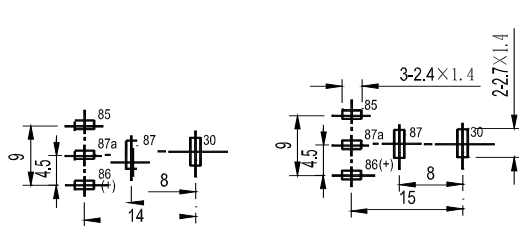
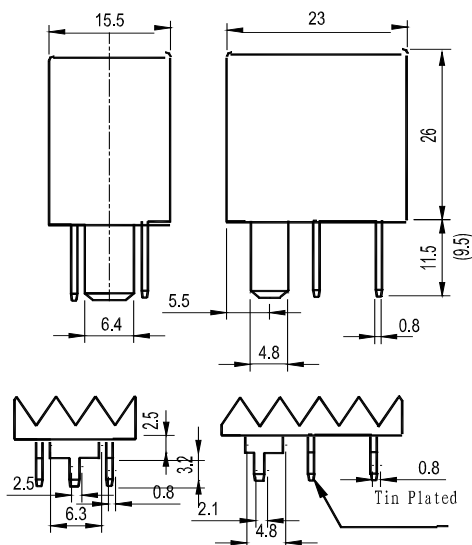
18.5g

Note: 1). ,When testing, coil terminals shall be connect , if coil transient suppression is installed in relay .

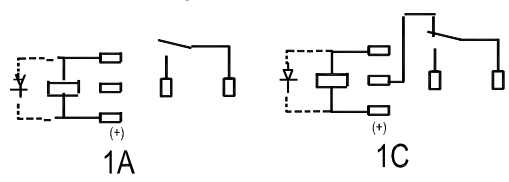
Qualification inspection:

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

Dimensions (Unit: mm)



Plug in type PCB type
Mounting (Bottom views)



Wiring diagram (Bottom views)

mm	inch
0.8	0.031
1.4	0.055
2.1	0.083
2.4	0.094
2.5	0.098
2.7	0.106
3.2	0.126
4.5	0.177
4.8	0.189
5.5	0.127
6.3	0.248
6.4	0.252
8	0.315
9	0.354
9.5	0.374
11.5	0.453
14	0.551
15	0.591
15.5	0.610
23	0.905
26	1.024

Note: Footprint as shown above is also available. Dimensions

NOTES 1).Dimensions are in millimeter.

2).Inch equivalents are given for general information only.

Reference Data

