



23×15.5×26

NVFM

| Features |
|---|
| <ul style="list-style-type: none"> Switching capacity up to 35A. 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) | | | 5 Coil rated voltage(V): DC:6,12,24,48 | | | |
| 3 Enclosure: S: Sealed type; Z: Dust cover; | 4 Contact current: 35:35A/14VDC; 30:30A/14VDC 25:25A/14VDC; 20:20A/14VDC | | | 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 resistance; NIL: standard | | | |

| Contact Data | | | |
|------------------------------------|--|----------------------------|--------------------------|
| Contact Arrangement | 1A (SPSTNO) | 1C (SPDT(B-M)) | |
| Contact Material | AgSnO ₂ , AgNi | | |
| Contact Rating (resistive) | 1A: 35A,25A/14VDC; 1C: 20A/14VDC,NO:30A/14VDC,NC:25A/14VDC | | |
| Max. Switching Power | 490W | | |
| Max. Switching Voltage | 75VDC | Max. Switching Current:35A | |
| Contact Resistance or Voltage drop | <50mΩ | Item 4.12 of IEC 61810-7 | |
| Operation life | Electrical | 10 ⁶ | Item 4.30 of IEC 61810-7 |
| | Mechanical | 10 ⁷ | Item 4.31 of IEC 61810-7 |

| Dash numbers | Coil voltage VDC | | Coil resistance Ω ± 10% | Pick up 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 | | | | | | |
| 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.

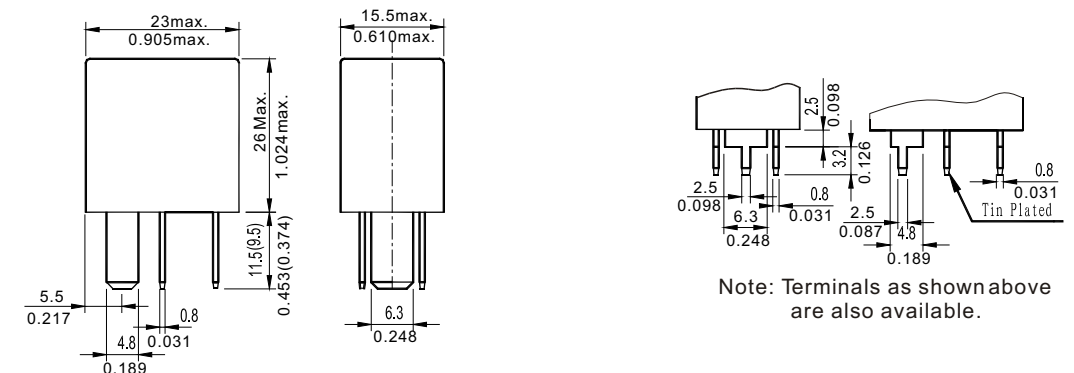
Operation condition

| | | |
|-------------------------------------|---------------------------------|-----------------------------|
| Insulation Resistance ¹⁾ | 100MΩ min (at 500VDC) | Item 7 of IEC 61810-5 |
| Dielectric Strength ¹⁾ | Between contacts | 50Hz 500V |
| | Between contact and coil | 50Hz 1000V |
| Shock resistance | 100m/s ² 11ms | IEC68-2-27 Test Ea |
| Vibration resistance | 10~40Hz double amplitude 1.27mm | IEC68-2-6 Test Fc |
| Terminals strength | 8N 4N (PC type) | IEC68-2-21 Test Ua1 |
| Solderability | 235°C ± 2°C 3 ± 0.5s | IEC68-2-20 Test Ta method 1 |
| Ambient Temperature | -40~125°C | |
| Relative Humidity | 85% (at 40°C) | IEC68-2-3 Test Ca |
| Mass | 18.5g | |

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

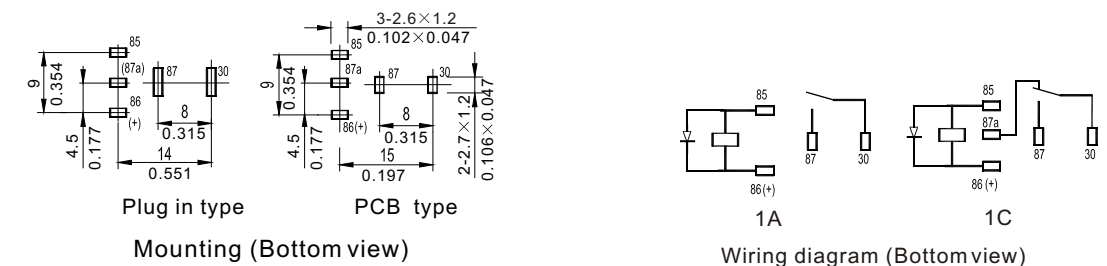
Dimensions

mm /inch



Note: Terminals as shown above are also available.

Dimensions



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

Reference Data

