

NVF4-5



26.5×26.5×25

| Features |
|---|
| <ul style="list-style-type: none"> Small size. Contact load capacity up to 30A. Suitable for automobile. Terminal types as inserting. |

| Ordering Information | | | | | | |
|--|---|---|---|---|---|---|
| NVF4-5 C Z 30 b DC12V R | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1 Part number: NVF4-5 | 5 Terminals: b: PCB type; a: plug in type | | | 6 Coil rated voltage(V): DC:12 | | |
| 2 Contact arrangement: A:1A | 6 Coil rated voltage(V): DC:12 | | | 7 Coil transient suppression: R: with resistance; NIL: standard | | |
| 3 Enclosure: S: Sealed type; Z: Dust cover | | | | | | |
| 4 Contact current: 30:30A | | | | | | |

| Contact Data | | | |
|------------------------------------|---------------------------|----------------------------|--------------------------|
| Contact Arrangement | 1A (SPSTNO) | | |
| Contact Material | AgSnO ₂ , AgNi | | |
| Contact Rating (resistive) | 30A/14VDC | | |
| Max. Switching Power | 420W | | |
| Max. Switching Voltage | 75VDC | Max. Switching Current:30A | |
| Contact Resistance or Voltage drop | <100mV (at 30A) | Item 4.12 of IEC 61810-7 | |
| Operation | Electrical | 10 ⁵ | Item 4.30 of IEC 61810-7 |
| life | Mechanical | 10 ⁷ | Item 4.31 of IEC 61810-7 |

| Coil Parameter | | | | | | | | |
|----------------|------------------|------|------------------------|---|---|--------------------------|-----------------|-----------------|
| Dash Numbers | Coil voltage VDC | | Coil resistance Ω ±10% | Pick up voltage VDC(max) (67%of rated voltage) | Release voltage VDC(min) (12.5% of rated voltage) | Coil power consumption W | Operate Time ms | Release Time ms |
| | Rated | Max. | | | | | | |
| 012-2200 | 12 | 15.6 | 67 | 8 | 1.5 | 2.2 | <7 | <5 |

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 60255-5 |
| Dielectric Strength ¹⁾ | 50Hz 500V | Item 6 of IEC 60255-5 |
| Between contacts | 50Hz 500V | Item 6 of IEC 60255-5 |
| Between contact and coil | | |
| Shock resistance | 147m/s ² 11ms | IEC 68-2-27 Test Ea |
| Vibration resistance | 10Hz~40Hz double amplitude 1.5mm | IEC 68-2-6 Test Fc |
| Terminals strength | 8N | IEC 68-2-21 Test Ua2 |
| Solderability | 235℃ ± 2℃ 3s ± 0.5s | IEC 68-2-20 Test Ta method 1 |
| Ambient Temperature | -40℃~125℃ | |
| Relative Humidity | 85% (at 40℃) | IEC 68-2-3 Test Ca |
| Mass | 30g | |

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

Dimensions

mm /inch

Dimensions

Mounting (Bottom view)

Wiring diagram (Bottom view)

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