
15.5×15×16.4

# NVF8

## Features

- Low profile micro 280 terminal.
- 25A switching capability.
- Contact arrangement:1A.
- Can be widey used in car relay box.

## Ordering Information

**NVF8 - A Z R**
1 2 3 4

1 Part number: NVF8
2 Contact arrangement: A:1A
3 Enclosure: Z:Flux proof
4 Coil transient suppression: R:with resistor

## Contact Data

| | | |
|---|---|---|
| Contact Arrangement | 1A(SPSTNO) | |
| Contact Material | $AgSnO_2$ | |
| Contact Rating | 20A/14VDC | |
| Max. Switching Power | 280W | |
| Max. Switching Voltage | 16VDC | Max. Switching Current:25A |
| Voltage Drop(Initial) | Typ.: 50mV(at 10A) | Item 4.12 of IEC 61810-7 |
| Electrical Endurance | $1\times10^5$ | Item 4.30 of IEC 61810-7 |
| Mechanical Endurance | $1\times10^6$ | Item 4.31 of IEC 61810-7 |

## Coil Parameter

| Coil voltage VDC | | Coil resistance Ω± 10% | Pick-up voltage VDC(max) (65%of rated voltage ) | Drop-out voltage VDC(min) | Coil power W | Operate time ms | Release time ms |
|---|---|---|---|---|---|---|---|
| Rated | Max. | With resistance | | | With resistor | | |
| 12 | 15.6 | 132 | 7.8 | 1.0 | Approx. 1.09 | ⩽10 | ⩽10 |

**Notes:** 1.The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay.
2.Pick-up and drop-out voltage are for test purposes only and are not to be used as design criteria.

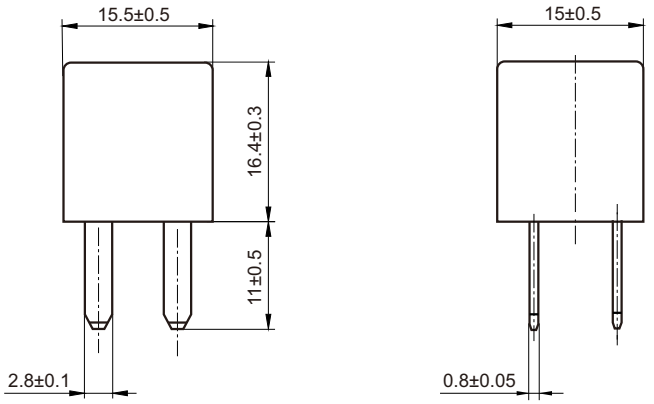
## Characteristics

| | | |
|---|---|---|
| Insulation Resistance[1)] | 10MΩ min (at 500VDC) | Item 4.11 of IEC 61810-7 |
| Dielectric Strength[1)]<br>Between Open Contacts<br>Between Contact and Coil | <br>500VAC 1min<br>500VAC 1min | Item 4.9 of IEC 61810-7 |
| Shock Resistance | 98m/s$^2$ 11ms | Item 4.26 of IEC 61810-7 |
| Vibration Resistance | 10-55Hz Double amplitude 1.5mm | Item 4.28 of IEC 61810-7 |
| Terminals Strength | Terminal retention(pull & push): ⩾100N<br>Terminal resistance to bending(front & side): ⩾10N | Item 4.24 of IEC 61810-7 |
| Ambient Temperature | -40℃~100℃ | |
| Relative Humidity | 5% to 85% | Item 4.16 of IEC 6110-7 |
| Weight (Approx.) | 10g | Item 4.7 of IEC 61810-7 |

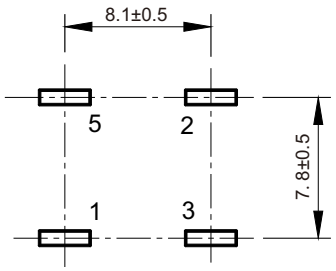
**Notes:** 1). When testing, coil terminals should be connected, If coil transient suppression is installed in relay .

## Dimensions

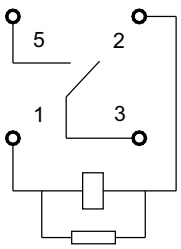
mm




Dimensions




Mounting (Bottom view)




Wiring diagram (Bottom view)

**Remark:** In case of no tolerance shown in outline dimension: outline dimension≤1mm,tolerance should be ±0.2mm ; outline dimension >1mm and ≤5mm, tolerance should be ±0.3mm; outline dimension >5mm, tolerance should be ±0.4mm.