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	1×10^5	Item 4.30 of IEC 61810-7
Mechanical Endurance	1×10^6	Item 4.31 of IEC 61810-7

Coil Parameter

Dash numbers	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		
012-1090	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.

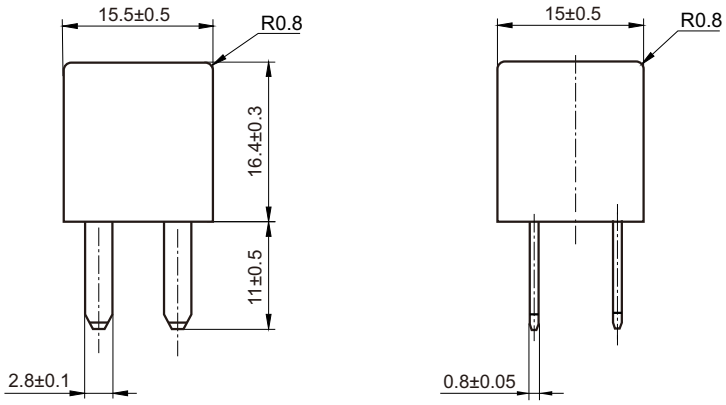
Characteristics

Insulation Resistance[1)]	10MΩ min (at 500VDC)	Item 4.11 of IEC 61810-7
Dielectric Strength[1)] Between Contacts Between Contact and Coil	 500VAC 1min 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 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

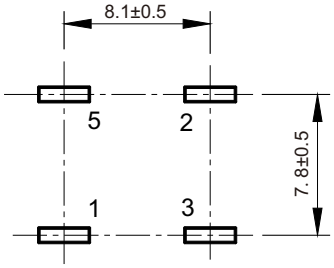
Notes: 1). When testing, coil terminals should be connected, If coil transient suppression is installed in relay .

Dimensions

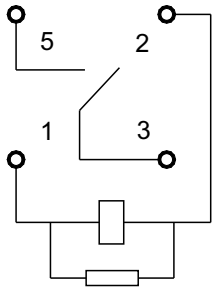
mm



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.