

37×16.5×17.1

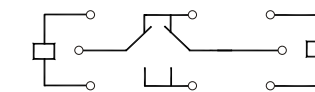
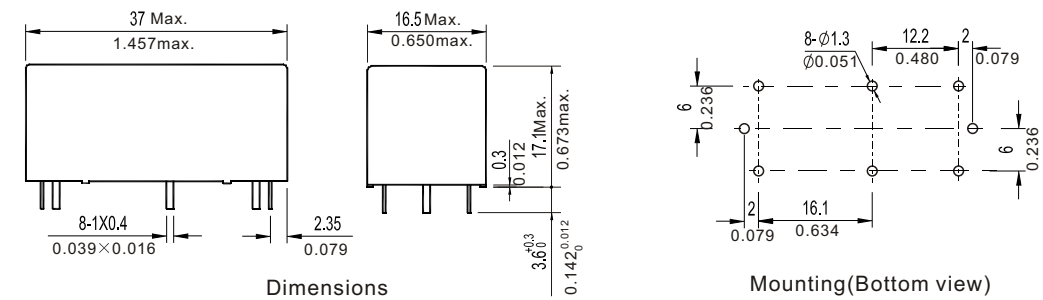
NV2R

Operation condition

Insulation Resistance	1000MΩ min (at 500VDC)	Item 7 of IEC 60255-5
Dielectric Strength		
Between contacts	50Hz 1000V	Item 6 of IEC 60255-5
Between contact and coil	50Hz 1000V	Item 6 of IEC 60255-5
Shock resistance	100m/s ² 11ms	IEC 68-2-27 Test Ea
Vibration resistance	10Hz~40Hz double amplitude 1.27mm	IEC 68-2-6 Test Fc
Terminals strength	10N	IEC 68-2-21 Test Ua1
Solderability	235°C ± 2°C 3s ± 0.5s	IEC 68-2-20 Test Ta method 1
Ambient Temperature	-40°C~105°C	
Relative Humidity	85% (at 20°C)	IEC 68-2-3 Test Ca
Mass	25g	

Dimensions

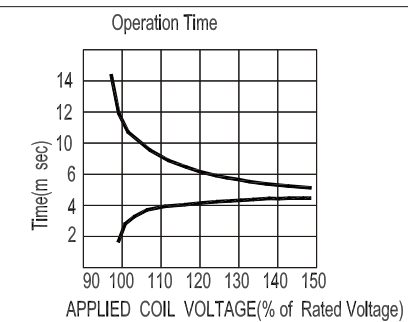
mm /inch



Wiring diagram(Bottom view)

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

Reference Data



Features
<ul style="list-style-type: none"> Small size, lightweight. Withstands high temperature, operating under 105°C ambient temperature. Heavy contact load switching current up to 10A.

Ordering Information	
NV2R S DC12V 0.64	
1 Part number: NV2R	3 Coil rated voltage(V): DC: 12
2 Enclosure: S: Sealed type; Z: Dust cover	4 Coil power consumption: 0.64:0.64W; 0.93:0.93W

Contact Data	
Contact Arrangement	2×1C (2×SPDT(B-M)) (H-Bridge)
Contact Material	AgSnO ₂
Contact Rating (resistive)	10A/14VDC
Max. Switching Power	140 W
Max. Switching Voltage	24VDC
Max. Switching Current	10A
Contact Resistance or Voltage drop	<50mΩ Item 4.12 of IEC 61810-7
Operation life	Electrical: 10 ⁵ Item 4.30 of IEC 61810-7 Mechanical: 10 ⁷ Item 4.31 of IEC 61810-7

CAUTION: 1.For the intermediate current, it only applies to the room temperature.

Coil Parameter								
Dash numbers	Coil voltage VDC		Coil resistance Ω ± 10%	Pickup voltage VDC(max)	Release voltage VDC(min)	Coil power consumption W	Operate Time ms	Release Time ms
	Rated	Max.						
012-640	12	14.4	225	6.8	1.2	0.64	<10	<5
012-930	12	14.4	155	6.0	0.9	0.93		

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.