



37×16.5×17.1

NV2R

Patent No.: 95221385.0

Features	
• Small size, light weight.	
• 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
Operation life	Electrical: 10 ⁵ Item 4.30 of IEC 61810-7 Mechanical: 10 ⁷ Item 4.31 of IEC 61810-7

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		

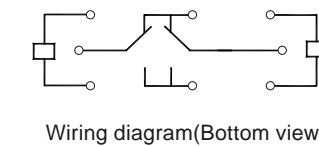
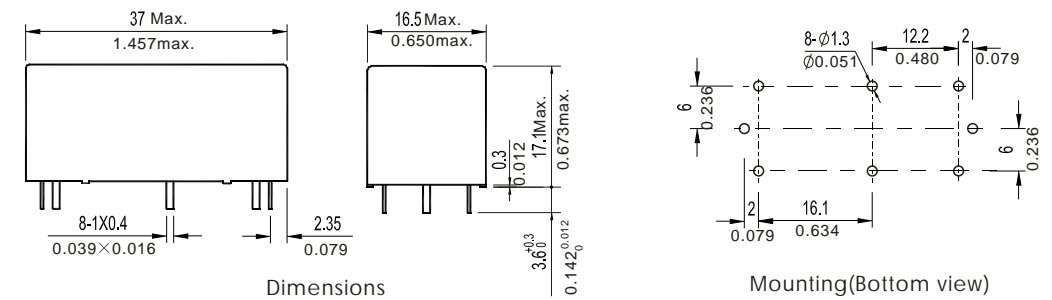
CAUTION: 1.The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay.
2.Pickup and release voltage are for test purposes only and are not to be used as design criteria.

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	IEC68-2-27 Test Ea
Vibration resistance	10~40Hz double amplitude 1.27mm	IEC68-2-6 Test Fc
Terminals strength	10N	IEC68-2-21 Test Ua1
Solderability	235°C ± 2°C 3 ± 0.5s	IEC68-2-20 Test Ta method 1
Ambient Temperature	-40~105°C	
Relative Humidity	85% (at 20°C)	IEC68-2-3 Test Ca
Mass	25g	

Dimensions

mm /inch



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

Reference Data

