# NCV

22.5×15.2×16.2

## Features

- Low profile.
- Low temperature rise.
- Suitable for automation system and automobile auxiliary etc.

## Ordering Information

| NCV | A | Z | 25 | R |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 |

1 Part number：NCV
2 Contact arrangement：A:1A
3 Enclosure：S: Wash tight ;Z: Flux proof
4 Contact current：25A/14VDC
5 Coil transient suppression：R: with resistance
NIL: standard

## Contact Data

| | | | |
|---|---|---|---|
| Contact Arrangement | | 1A(SPSTNO) | |
| Contact material | | $AgSnO_2$ | |
| Contact Rating (Resistive) | | 25A/14VDC | |
| Max. Switching Power | | 350W | |
| Max. Switching voltage | | 30VDC | Max. Switching Current :25A |
| Voltage Drop(Initial) | | Typ. 50mV(at 10A) | Item 4.12 of IEC 60255-7 |
| Operation Life | Electrical | $1\times10^5$ | Item 4.30 of IEC 61810-7 |
| | Mechanical | $1\times10^6$ | Item 4.31 of IEC 60255-7 |

## 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) (10% of rated voltage) | Coil power W | | Operate time ms | Release time ms |
|---|---|---|---|---|---|---|---|---|---|---|
| | Rated | Max. | Without resistor | With resistor | | | Without resistor | With resistor | | |
| 012-1070 | 12 | 15.6 | 135 | 120 | 7.8 | 1.2 | Approx. 1.07 | Approx. 1.2 | ⩽10 | ⩽10 |

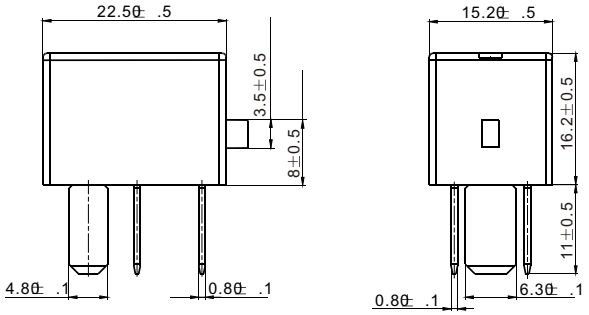
**CAUTION:** 1.The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay.
2.Pickup and release voltage are for test purposes only and are not to be used as design criteria.

## Characteristics

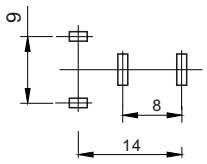
| | | |
|---|---|---|
| Insulation Resistance | 20MΩmin (at 500VDC) | Item 4.11 of IEC 61810-7 |
| Dielectric Strength<br>Between Contacts<br>Between Contact and Coil | <br>50Hz 500V<br>50Hz 500V | <br>Item 4.9 of IEC 61810-7<br>Item 4.9 of IEC 61810-7 |
| Shock Resistance | Functional: 98m/s² 11ms<br>Destructive:980m/s² 11ms | Item 4.26 of IEC 61810-7<br>Item 4.26 of IEC 61810-7 |
| Vibration Resistance | Functional: 10Hz~100Hz 44.1m/s²<br>Destructive:100Hz~500Hz 44.1m/s² | Item 4.28 of IEC 61810-7<br>Item 4.28 of IEC 61810-7 |
| Terminals Strength | 10N | Item 4.24 of IEC 61810-7 |
| Ambient Temperature | -40℃~105℃ | |
| Relative Humidity | 5% to 85% | Item 4.16 of IEC 61810-7 |
| Mass | 14g | Item 4.7 of IEC 61810-7 |

## Dimensions

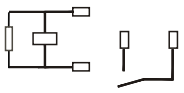
mm




Dimensions




Mounting (Bottom view)



Wiring diagram (Bottom view)