



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 rating: 25:25A
5 Coil transient suppression: R:with resistor
NIL:standard

Contact Data

Contact Arrangement	1A(SPSTNO)		
Contact Material	AgSnO ₂		
Contact Rating	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	
Electrical Endurance	1×10 ⁵	Item 4.30 of IEC 61810-7	
Mechanical Endurance	1×10 ⁶	Item 4.31 of IEC 60255-7	

Coil Parameter

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		
12	15.6	135	120	7.8	1.2	Approx. 1.07	Approx. 1.2	≤10	≤10

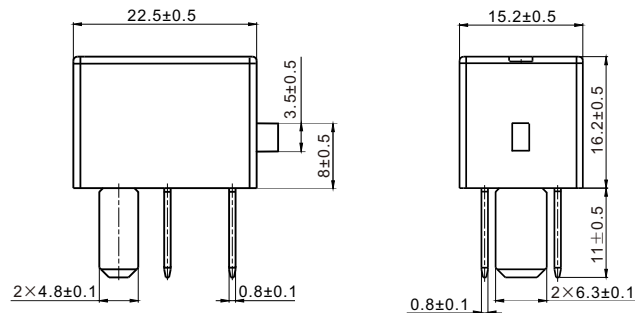
Notes: 1.The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay.
2.Pick-up and drop-out voltage are for test purposes only and are not to be used as design criteria.

Characteristics

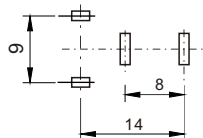
Insulation Resistance	20MΩ min (at 500VDC)	Item 4.11 of IEC 61810-7
Dielectric Strength Between Open Contacts Between Contact and Coil	500VAC 1min 500VAC 1min	Item 4.9 of IEC 61810-7
Shock Resistance	Functional: 98m/s ² 11ms Destructive: 980m/s ² 11ms	Item 4.26 of IEC 61810-7
Vibration Resistance	Functional: 10Hz~100Hz 44.1m/s ² Destructive: 100Hz~500Hz 44.1m/s ²	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℃~105℃	
Relative Humidity	5% to 85%	Item 4.16 of IEC 61810-7
Weight (Approx.)	14g	Item 4.7 of IEC 61810-7

Dimensions

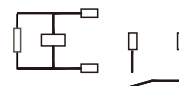
mm



Dimensions



Mounting (Bottom view)



Wiring diagram (Bottom view)

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