22.5×15.2×16.2

NCV

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	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

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

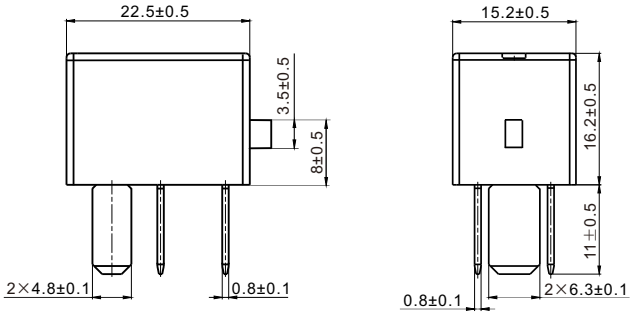
Notes: 1.The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay.
2.Pick-up and drop-out voltage are for test purposes only and are not to be used as design criteria.

Characteristics

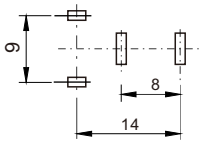
Insulation Resistance	20MΩ min (at 500VDC)	Item 4.11 of IEC 61810-7
Dielectric Strength Between Contacts Between Contact and Coil	 500VAC 1min 500VAC 1min	Item 4.9 of IEC 61810-7
Shock Resistance	Functional: 98m/s^2 11ms Destructive:980m/s^2 11ms	Item 4.26 of IEC 61810-7
Vibration Resistance	Functional: 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

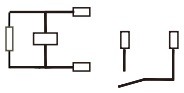
mm



Dimensions



Mounting (Bottom view)



Wiring diagram (Bottom view)

Remark: In case of no tolerance shown in outline dimension: outline 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.