

NG4U



22.5 × 12.5 × 19

R2133923 US E160644

Features
<ul style="list-style-type: none"> Can be welded directly onto PCB. Used in household appliances like air conditioning , heater and instruments etc.

Ordering Information	
NG4U C S 10 DC12V	
1 Part number: NG4U	4 Contact current: 5A,10A
2 Contact arrangement: A:1A; C:1C	5 Coil rated voltage(V): DC:6,12,24
3 Enclosure: S:Sealed type; Z:Dust cover	

Contact Data			
Contact Arrangement	1A (SPSTNO) 1C (SPDT(B-M))		
Contact Material	AgCdO AgSnO ₂		
Contact Rating (resistive)	5A,10A/125VAC,28VDC 5A/250VAC		
Max. Switching Power	280W 1250VA		
Max. Switching Voltage	30VDC 220VAC	Max. Switching Current:10A	
Contact Resistance or Voltage drop	<50mΩ	Item 4.12 of IEC 61810-7	
Operational life	Electrical	10 ⁵	Item 4.30 of IEC 61810-7
	Mechanical	10 ⁷	Item 4.31 of IEC 61810-7

Dash numbers	Coil voltage VDC		Coil resistance Ω ±10%	Pickup voltage VDC(max) (75% of rated voltage)	Release voltage VDC(min) (10% of rated voltage)	Coil power consumption W	Operate Time ms	Release Time ms
	Rated	Max.						
006-360	6	7.8	100	4.2	0.6	0.36	<10	<5
012-360	12	15.6	400	8.4	1.2			
024-360	24	31.2	1600	16.8	2.4			

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	250MΩ min (at 500VDC)	Item 7 of IEC 60255-5
Dielectric Strength	50Hz 750V	Item 6 of IEC 60255-5
Between contact and coil	50Hz 2000V surge voltage 4kV	Item 6 and item 8 of IEC 60255-5
Shock resistance	100m/s ² 11ms	IEC68-2-27 Test Ea
Vibration resistance	10~55Hz double amplitude 1.5mm	IEC68-2-6 Test Fc
Terminals strength	5N	IEC68-2-21 Test Ua1
Solderability	235°C ± 2°C 3 ± 0.5s	IEC68-2-20 Test Ta method 1
Ambient Temperature	-25~70°C	
Relative Humidity	85% (at 40°C)	IEC68-2-3 Test Ca
Mass	8.6g	

Safety approvals		
Safety approval	UL& C UR	TUV
Load	10A/125VAC 5A/250VAC	5A/250VAC;28VDC

Dimensions
mm /inch

The technical drawings include:

- Dimensions:** Shows the relay's profile with dimensions such as 22.5max (0.886max) for the main body width, 12.5max (0.492max) for the terminal width, and 19max (0.748max) for the height. Terminal dimensions include 4-1×0.4 (0.039×0.016) and 1×0.16 (0.039×0.006).
- Mounting (Bottom view):** Shows the 5-pin layout with a 5-Ø1.3 (Ø 0.051) hole pattern and a 0.197 (0.0077) spacing between pins.
- Wiring diagram (Bottom view):** Shows two contact configurations: 1A (SPSTNO) and 1C (SPDT(B-M)).

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