29.6×18×20

4117-2

Patent No.: 95319882.0

Features

- Twin structure of 4117 type.
- Small size, light weight.
- Low coil power consumption.
- PC board mounting.
- Suitable for household appliances, electrical equipment, automation system, and automobile industry application.

Ordering Information

4117-2 2C S 12VDC
1 2 3 4

1 Part number：4117-2
2 Contact arrangement：2A:2A；2C:2C；2U:2U；2W:2W

3 Enclosure：S: Sealed type；Z: Dust cover
4 Coil rated voltage(V)：DC:3,5,6,9,12,18,24

Contact Data

Contact Arrangement		2A（DPSTNO） 2C（DPDT(B-M)） 2U（DPSTNODM） 2W（DPDTNC-NO）	
Contact Material		AgNi $AgSnO_2$	
Contact Rating (resistive)		2A,2C: 10A/120VAC,28VDC ; 2U,2W: 2×10A/120VAC, 28VDC	
Max. Switching Power		280W 1200VA	
Max. Switching Voltage		75VDC 380VAC	Max. Switching Current:10A
Contact Resistance or Voltage drop		⩽50mΩ	Item 4.12 of IEC 61810-7
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) (75%of rated voltage)	Release voltage VDC(min) (10% of rated voltage)	Coil power consumption W	Operate Time ms	Release Time ms
	Rated	Max.						
003-1000	3	3.9	9×2	2.25	0.3	2×1.0	⩽10	⩽5
005-1000	5	6.5	25×2	3.75	0.5			
006-1000	6	7.8	36×2	4.50	0.6			
009-1000	9	11.7	85×2	6.75	0.9			
012-1000	12	15.6	145×2	9.00	1.2			
018-1000	18	23.4	324×2	13.5	1.8			
024-1000	24	31.2	576×2	18.0	2.4			

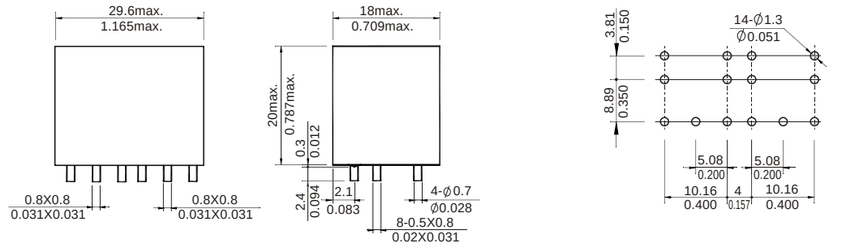
CAUTION: 1.The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay.
2.Pickup and release voltage are for test purposes only and are not to be used as design criteria.

Operation condition

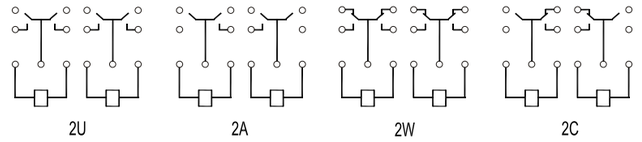
Insulation Resistance	100MΩ min (at 500VDC)	Item 7 of IEC 60255-5
Dielectric Strength Between contacts Between contact and coil	 50Hz 750V 50Hz 1500V	 Item 6 of IEC 60255-5 Item 6 of IEC 60255-5
Shock resistance	100m/s² 11ms	IEC68-2-27 Test Ea
Vibration resistance	10~40Hz double amplitude 1.27mm	IEC68-2-6 Test Fc
Terminals strength	10N	IEC68-2-21 Test Ua1
Solderability	235℃ ±2℃ 3±0.5s	IEC68-2-20 Test Ta method 1
Ambient Temperature	-40~105℃	
Relative Humidity	85% (at 40℃)	IEC68-2-3 Test Ca
Mass	20g	

Dimensions

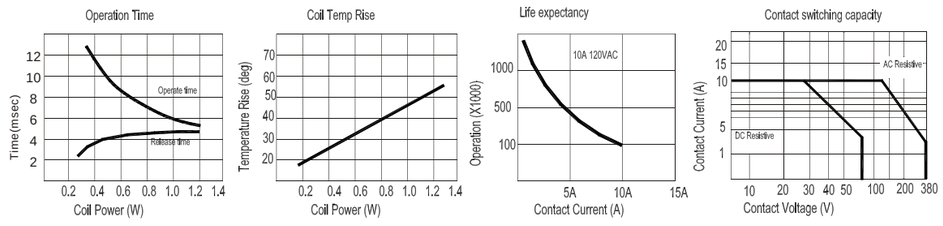
mm /inch



Dimensions　　Mounting (Bottom view)



Wiring diagram(Bottom view)

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

Reference Data