



UL,C-UL File No.:E179745
TUV File No.:40002145
CQC File No.:CQC02001002129

- Small size(16.2X30.5X26.5) at nominal 25A at resistive load .
- #250 fasten terminal and P.C.Board terminal is prepared.
- Flow solder mounting is available.

SPECIFICATIONS

Contact

Arrangement	1a	
Contact material	Silver alloy	
Contact resistance (By voltage drop 1A 6VDC)	50mΩ Max.	
UL/C-UL rating	25A 250VAC	
Resistance load (cos φ =1)	25A	250VAC
Inductance load (cos φ =0.75~0.8)	15A	250VAC
VDE rating	20A	250VAC
Resistive load	20A	250VAC
CQC rating	20A	250VAC
Max.switching current	25A	
Expected life(min.ope)	Mechanical (at 120 cpm)	1X10 ⁷
	Electrical (at 20 cpm)	1X10 ⁵

Characteristics

Operate time	10 msec.Max.	
Release time	5 msec.Max.	
Initial breakdown voltage	Between contact and coil	4,000VAC (50/60Hz) for 1 min.
	Between open contacts	1,000VAC (50/60Hz) for 1 min.
Insulation resistance	100MΩ Min.(500VDC)	
Ambient temperature	-45℃ ~ +85℃	
Shock resistance	Functional	10G Min.
	Destructive	100G Min.
Vibration resistance	Functional	10 TO 55 Hz at double Amplitude of 1.5mm
	Destructive	10 TO 55 Hz at double Amplitude of 1.5mm
Insulation withstand Voltage	5,000V 1.2×50 μs (Between coil and contacts)	
Unit weight	Approx. 27g	

Coil

Nominal operating power	0.90W
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TYPICAL APPLICATIONS

- 1.Air conditioner,Compressor and Heater Control Use.
- 2.Fax Machine office Equipment and Motor Control.
- 3.Microwave Oven Magnetron Control, etc.

ORDERING INFORMATION

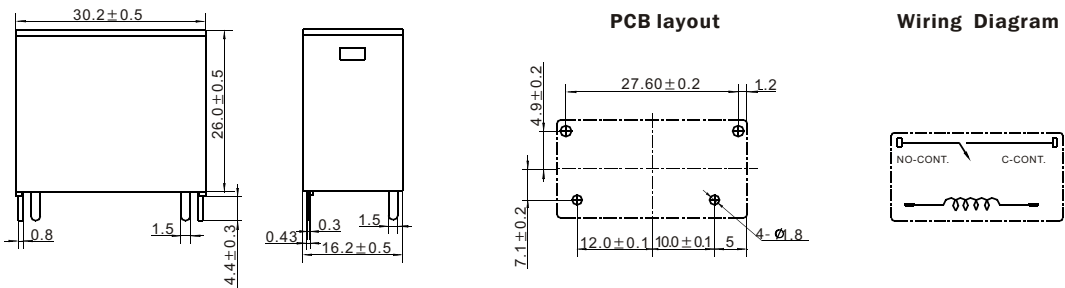
	DI1U	1	12	D	M	P
Type	Number of poles	Coil voltage	Coil sensitivity	Contact form	Terminal form	
DI1U	1:1 pole	05,06,09,12, 18,24,48	D:0.9W	M:1 Form A	P: PCB terminal only	

COIL(at 20°C)

DI1U-P

Voltage code	Nominal voltage (VDC)	Nominal current (mA)	Coil resistance ($\Omega \pm 10\%$)	Drop-out voltage (VDC)	Pick-up voltage (VDC)	Nominal operating power (W)	Max allowable voltage (VDC)
05	5	179.86	27.80	5% Min.	80% Max.	Abt.0.9	130% of nominal voltage
06	6	150.00	40.00				
09	9	100.00	90.00				
12	12	75.00	160.00				
18	18	50.00	360.00				
24	24	37.50	640.00				
48	48	18.75	2,560.00				

OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT(unit:mm)



CHARACTERISTICS CURVE

