



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

- Smallest size (16.5X30.5X26.5) 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 resistive (By voltage drop 1A 6VDC)	50mΩ Max.	
UL/C-UL rating Resistive load (cos φ = 1)	25A	250VAC
Inductive load (cos φ = 0.75~0.8)	15A	250VDC
VDE rating Resistive load	20A	250VAC
CQC rating	20A/80A	250VAC
Max. switching current	25A	
Exoected life(min.ope)	Mechanical (at 120 cpm)	1X10 ⁷
	Electrical (at 20 cpm)	1X10 ⁵

Coil

Nominal operating power	0.9W
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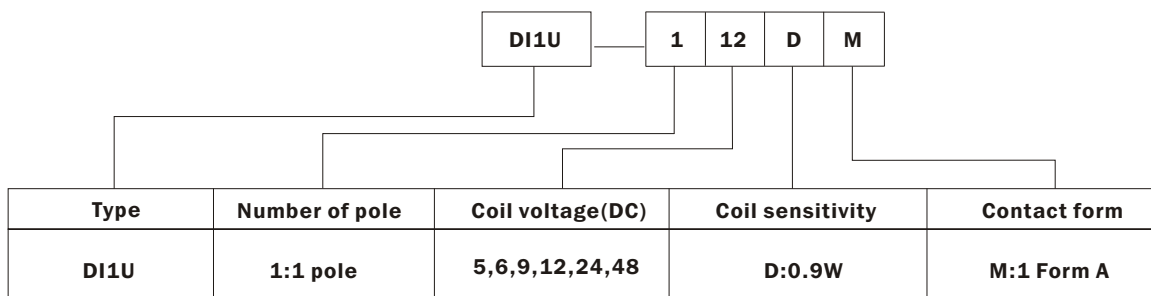
Characteristics

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.
	Destruction	100G Min.
Vibration resistance	Functional	10 TO 55 Hz at double Amplitude of 1.5mm
	Destruction	10 TO 55 Hz at double Amplitude of 1.5mm
Insulation withstand Voltage	5000V 1.2X50 μs (Between coil and contacts)	
Unit weight	Approx. 27g	

TYPICAL APPLICATION

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

ORDERING INFORMATION

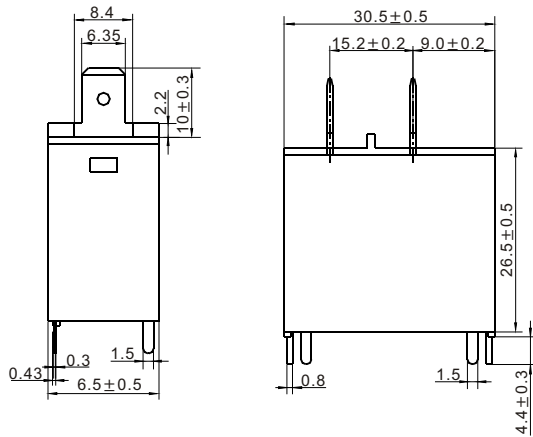


COIL(at 20°C)

DI1U

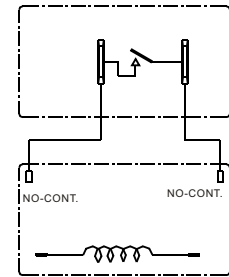
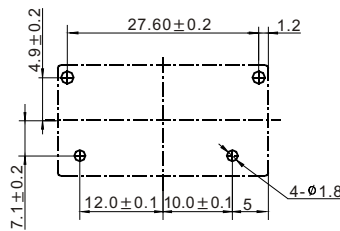
Voltage code	Nominal voltage (VDC)	Nominal current (mA)	Coil resistance ($\Omega \pm 10\%$)	Drop-out voltage (VDC)	Pick-up voltage (VDC)	Nominal operating power (W)	Max allowable voltage (VDC)
05	5	178.57	28	5% Min.	80% Max.	Abt.0.9	130% of nominal voltage
06	6	150.00	40				
09	9	100.00	90				
12	12	75.00	160				
18	18	50.00	360				
24	24	37.50	640				
48	48	18.75	2,560				

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



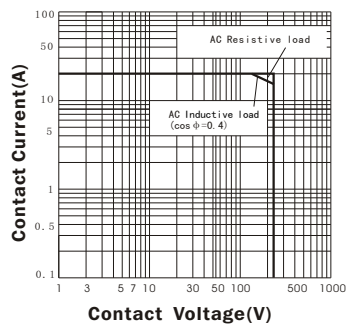
PCB layout

Wiring Diagram



CHARACTERISTICS CURVE

MAXIMUM SWITCHING POWER



LIFE CURVE

