UJ SERIES SPDT/DPDT/4PDT 15,10 Amp

c UL us
File No.:E75887

RoHS Compliant

FEATURES

- 1 pole,2 pole and 4 pole contact arrangement is available
- Many types of terminal style
- Transparent dust-proof cover, variety of installation methods
- Multiple sockets available

CONTACT RATINGS

Contact Arrangement	1C, 2C	4C
Contact Resistance	100mΩ(1A 6VDC)	
Contact Material	AgSnO, Silver Alloy	
Contact Rating(Resistive)	15A/240VAC 15A/30VDC	10A/240VAC 10A/30VDC
Max. Switching Voltage	240VAC/30VDC	
Max. Switching Current	15A	10A
Max. Switching Power	3600VA/450W	2400VAC/300W
Mechanical Life	2×10^7 operations	
Electrical Life	1×10^5 operations	

CHARACTERISTICS

Insulation Resistance		100MΩ (at 500VDC)
Dielectric Strength	Between coil & contacts	1500VAC 1min
	Between open contacts	1000VAC 1min
Operate time (at nomi. volt.)		≤25ms
Release time (at nomi. volt.)		≤25ms
Humidity		98% RH, 40°C
Ambient temperature		-40°C ~ +70°C
Shock Resistance	Functional	98m/s²
	Destructive	980m/s²
Vibration resistance		10Hz ~ 55Hz 1mm DA
Unit weight		Approx. 37g
Construction		Covered

Notes:1) The data shown above are initial values.
2) Please find coil temperature curve in the characteristic curved below.

ORDERING INFORMATION

UJ F 2 C P AC 220 L FT - XXX

- Model
- F:Class F Nil:Class B
- Number Poles:1,2,4
- Contact Arrangement:C:SPDT
- Terminal Style:
- P=P.C.Board S=Quick Connect
- Coil Input: AC or DC
- Coil Voltage
- L:LED N:NEON
- FT:FLANGE TOP
- Customer Code

COIL DATA at 23°C

DC

Nominal Voltage VDC	Pick-up Voltage (Max.) VDC	Drop-out Voltage (Min.) VDC	Max. Allowable Voltage VDC	Coil Resistance Ω±10%	
				1C、2C	4C
5	4.0	0.5	5.5	27.5	16.6
6	4.8	0.6	6.6	40	24
12	9.6	1.2	13.2	160	96
24	19.2	2.4	26.4	630	360
48	38.4	4.8	52.8	2600	1540
110	88.0	11.0	121.0	11000	6800

AC

Nominal Voltage VAC	Pick-up Voltage (Max.) VAC	Drop-out Voltage (Min.) VAC	Max. Allowable Voltage VAC	Coil Resistance Ω±10%	
				1C、2C	4C
6	4.8	1.8	6.6	11.5	5
12	9.6	3.6	13.2	40	20
24	19.2	7.2	26.4	160	80
48	38.4	14.4	52.8	600	320
120	96.0	36.0	132.0	3900	2000
220	176.0	66.0	242.0	13000	6700

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COIL

Coil Power	DC:900~1500mW
	AC:1.2~2.5VA

SAFETY APPROVAL RATINGS

UL&CUL	15A/240VAC 1/2HP 277VAC; 1/3HP 120VAC 10A/30VDC

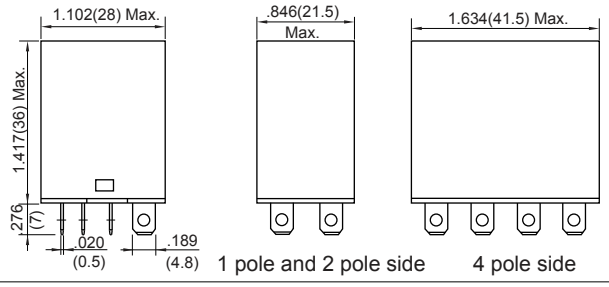
OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT.

Unit: inch(mm)

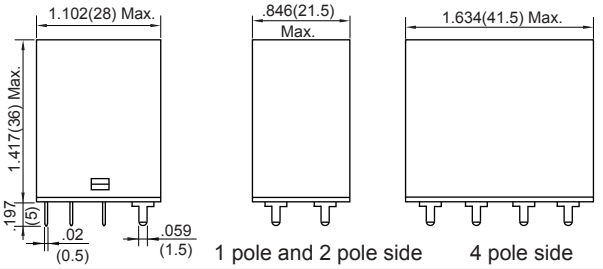
Outline Dimensions

Wiring Diagram (Bottom view)

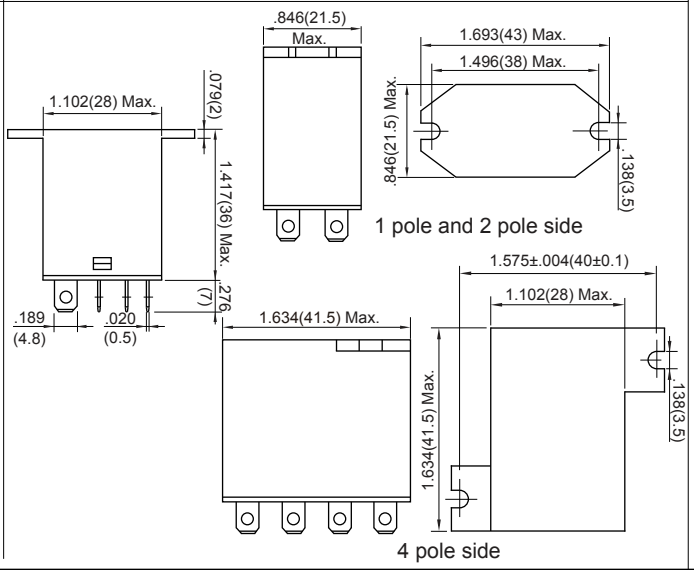
Quick Connect

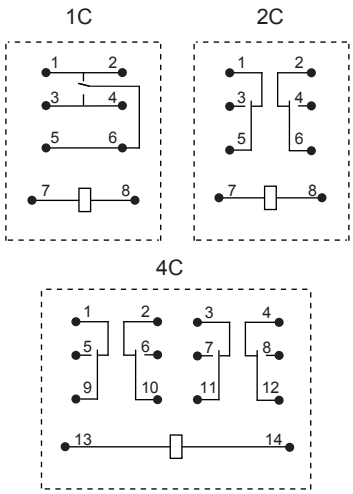


PC Pin

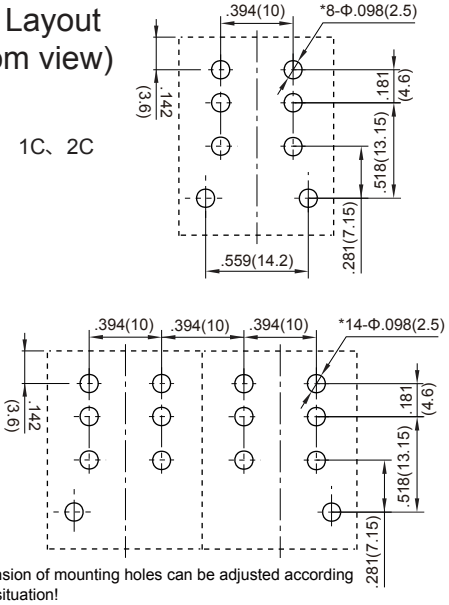


FLANGE TOP





PCB Layout (Bottom view)



*The dimension of mounting holes can be adjusted according to actual situation!

Remark:1) 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.

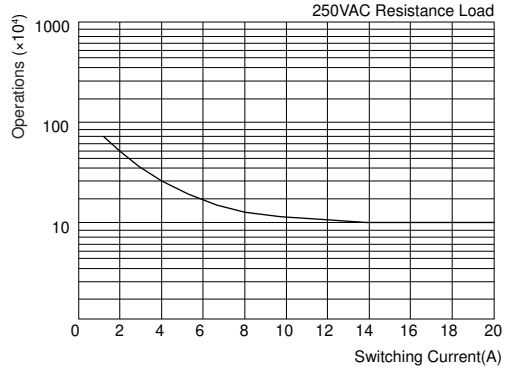
2) The tolerance without indicating for PCB layout is always ±0.1mm.

This datasheet is for customers' reference. All the specifications are subject to change without notice.

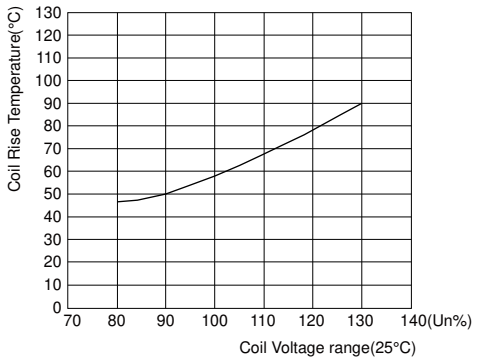
CHARACTERISTIC CURVES

1C

Electrical Life

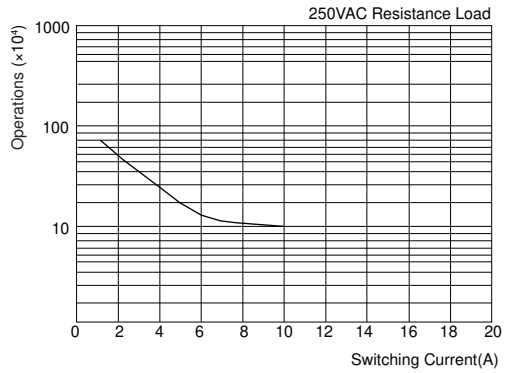


Coil Temperature



2C、4C

Electrical Life



Coil Temperature