



RKL2CO

RKL4CO



Features

- > 1 pole 16A; 2,3,4 pole 10A
- > With non-polarity LED integrated in relay
- > With lockable test button and inspection window
- > Identification of coils through test button color (AC red/DC blue)
- > Conformity with RoHS Directive

Ordering Information

RKL

Contact form _____

1C: 1CO
2C: 2CO
3C: 3CO
4C: 4CO

Mount options _____

O: plug in

Coil voltage code _____

Code	006	012	024	036	048	110	220		
Voltage (V DC)	6	12	24	36	48	110	220		
Code	506	512	524	536	548	615	730	740	880
Voltage (V AC)	6	12	24	36	48	115	230	240	380

Options

- LT: LED + test button
LTD: LED + test button + diode (13-, 14+)
LTD1: LED + Test button + diode (13+, 14-)

Characteristics

Configuration		1C	2C	3C	4C
Contact	Rated current/ Rated voltage	Resistive load 16A/250VAC 30VDC	10A/250VAC 30VDC		
		Motor load 1/2HP, 120VAC; 1HP, 240VAC	1/3HP 240VAC	1/6HP 240VAC	
	Switching capacity (resistive)	4000VA, 480W	2500VA 300W		
	Initial contact resistance	≤50mΩ			
	Material	Ag alloy			
	Electrical durability	1C/3C/4C: ≥10 x 10 ⁴ (1800 ops/h), 2C: ≥20 x 10 ⁴ (1800 ops/h)			
	Mechanical durability	≥1000 x 10 ⁴ (18000 ops/h)			
Pick-up voltage (23°C)	DC: ≤75% (Rated voltage), AC: ≤80% 50/60Hz (Rated voltage)				
Drop-out voltage (23°C)	DC: ≥10% (Rated voltage), AC: ≥30% 50/60Hz (Rated voltage)				
Maximum voltage (23°C)	110% (Rated voltage)				
Insulation resistance	≥500MΩ (500VDC)				
Coil operating power	DC(W)	approx. 0.9	approx. 0.9	approx. 1.4	approx. 1.5
	AC(VA)	approx. 1.2	approx. 1.2	approx. 2	approx. 2.5
Operate time (at nominal voltage)	≤20 ms				
Release time (at nominal voltage)	≤20 ms				
Initial breakdown voltage	Between open contacts	1000VAC/1min (leakage current 1mA)			
	Between poles	2000VAC/1min (leakage current 1mA)			
	Between contacts and coil	2000VAC/1min (leakage current 1mA)			
Ambient temperature	-25~+55°C				
Humidity	35%~85%RH				
Air pressure	86~106KPa				
Shock resistance	10G (half-sine shock pulse: 11ms)				
Vibration resistance	10~55Hz double-amplitude:1.0mm				
Mounting	plug in				
Unit weight	approx. 35g	approx. 35g	approx. 50g	approx. 65g	

>>> RKL Miniature Power Relay

Coil Specifications (23°C)

RKL1, RKL2

Nominal voltage V.DC	6	12	24	36	48	110	220		
Coil resistance Ω	40	180	640	1500	2600	13000	42000		
Nominal voltage V.AC	6	12	24	36	48	115	230	240	380
Coil resistance Ω	11.5	40	180	370	640	4430	16500	18790	42000

RKL3

Nominal voltage V.DC	6	12	24	36	48	110	220		
Coil resistance Ω	25	100	400	900	1600	8400	33000		
Nominal voltage V.AC	6	12	24	36	48	115	230	240	380
Coil resistance Ω	6.5	25.5	102	230	410	2500	10000	10000	26000

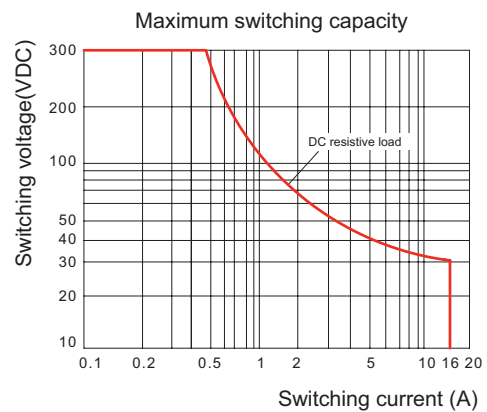
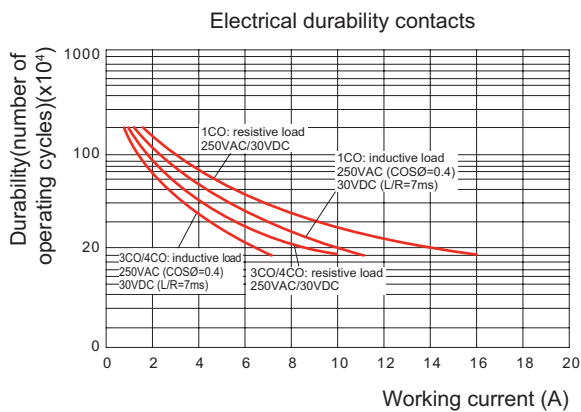
RKL4

Nominal voltage V.DC	6	12	24	36	48	110	220		
Coil resistance Ω	24	96	360	865	1500	6800	29000		
Nominal voltage V.AC	6	12	24	36	48	115	230	240	380
Coil resistance Ω	5	20	80	180	320	1680	8000	8000	20000

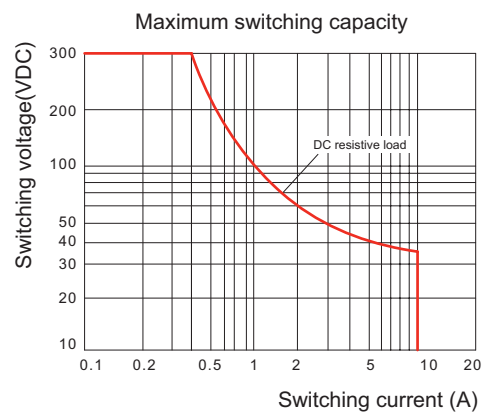
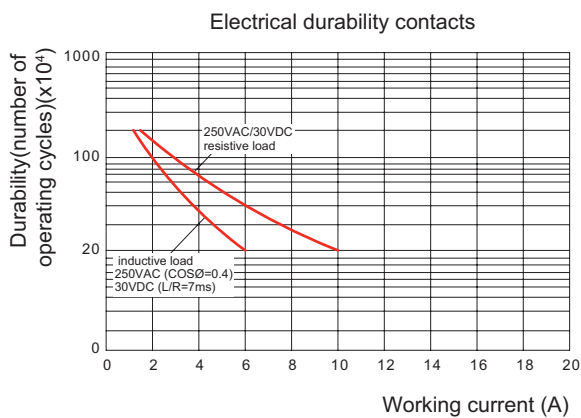
Remark: Coil resistance under coil voltage 110V are measured with tolerance of $\pm 10\%\Omega$, above coil voltage 110V are measured with tolerance of $\pm 15\%\Omega$.

Contact Specification

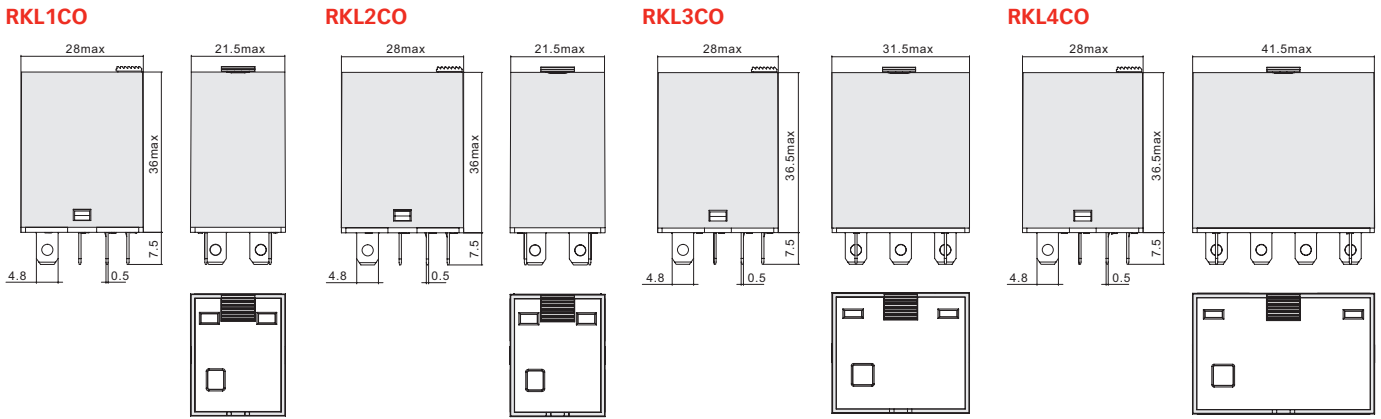
RKL1CO



RKL2CO/3CO/4CO

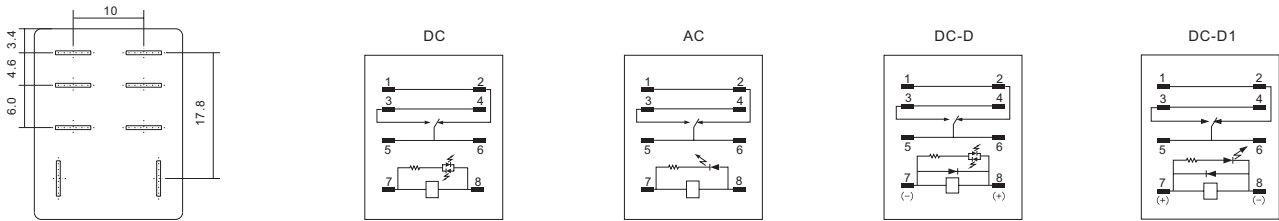


Dimensions (mm)

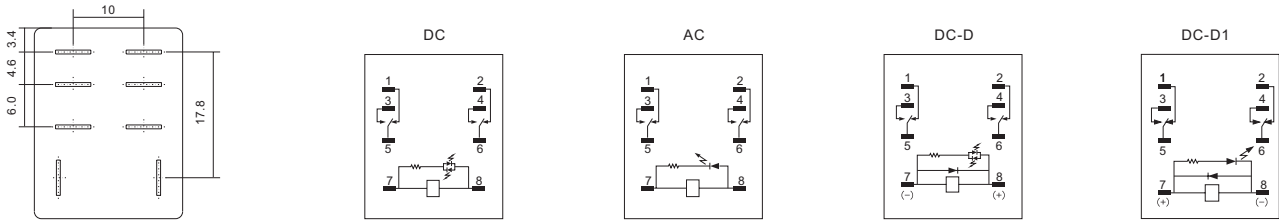


Wiring Diagrams

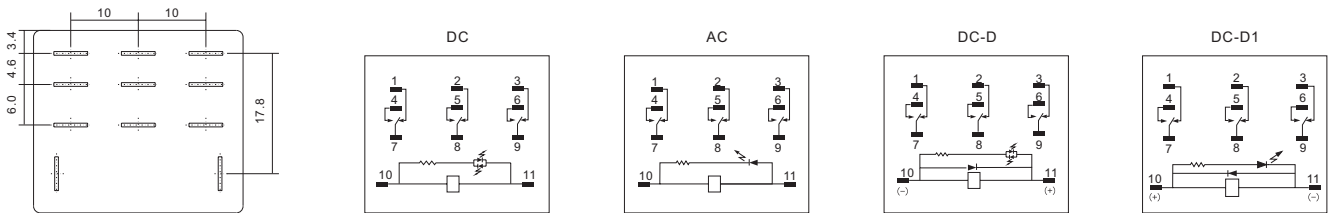
RKL1CO



RKL2CO



RKL3CO



RKL4CO

