

# >>> RFT Interface Relay



RFT1CO-LT



RFT2CO-LT

## Features

- > Slim and compact size
- > 1 pole 12A; 2 pole 8A
- > 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

**Contact form** \_\_\_\_\_ RFT □ □ □ □

1C: 1 change over  
2C: 2 change over

**Terminal arrangement** \_\_\_\_\_

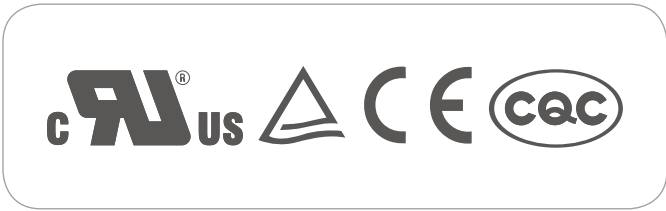
O: plug in

**Coil voltage** \_\_\_\_\_

006~110: 6~110VDC  
506~740: 6~240VAC

**Options** \_\_\_\_\_

LT: LED + Test button  
LTD: LED + test button+diode (1-, 5+; 1-, 8+)  
LTD1: LED + test button+diode (1+, 5-; 1+, 8-)



## Characteristics

Configuration		1C	2C
Contact	Rated current/ Resistive load	12A/250VAC, 30VDC	8A/250VAC, 30VDC
	Rated voltage/ Motor load	1/3HP, 240VAC	1/6HP, 240VAC
	Switching capacity (resistive)	3000VA, 360W	2000VA, 240W
	Initial contact resistance	≤50mΩ	
	Material	Ag alloy	
	Electrical durability	≥10 <sup>5</sup> times (1800 Ops/h)	
	Mechanical durability	≥10 <sup>7</sup> times (18000 Ops/h)	
	Pick-up voltage (23°C)	DC: ≤75% (rated voltage), AC: ≤80% (rated voltage)	
Drop-out voltage (23°C)	DC: ≥10% (rated voltage), AC: ≥30% (rated voltage)		
Maximum voltage (23°C)	110% (rated voltage)		
Insulation resistance	≥1000MΩ (500VDC)		
Coil operating power	DC (W)	approx. 0.53	
	AC (VA)	approx. 1	
Operate time (at nominal voltage)	≤20ms		
Release time (at nominal voltage)	≤10ms		
Initial breakdown voltage	Between open contacts	1000VAC/1min (leakage current 1mA)	
	Between poles	3000VAC/1min (leakage current 1mA)	
	Between contacts and coil	5000VAC/1min (leakage current 1mA)	
Ambient temperature	-40~+55°C		
Humidity	5%~85%RH		
Air pressure	86~106KPa		
Shock resistance	10G		
Vibration resistance	10~55Hz double-amplitude: 1.0mm		
Mounting	plug in		
Unit weight	Approx. 20g		

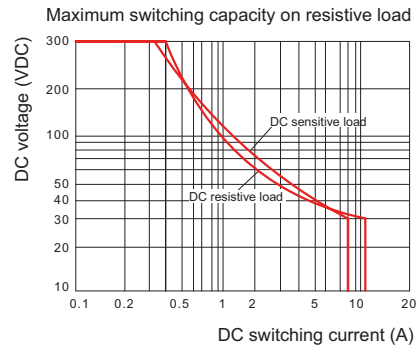
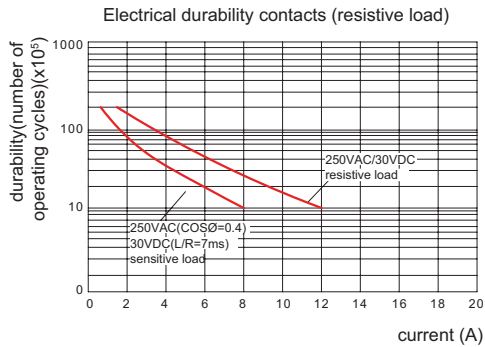
### Coil Specifications (23°C)

Voltage code	006	009	012	024	036	048	110	
Nominal voltage V.DC	6	9	12	24	36	48	110	
Coil resistance Ω	68	150	270	1100	2440	4300	22800	
Voltage code	506	512	524	548	615	720	730	740
Nominal voltage V.AC	6	12	24	48	115	220	230	240
Coil resistance Ω	16	63	240	1085	6300	21000	23000	25000

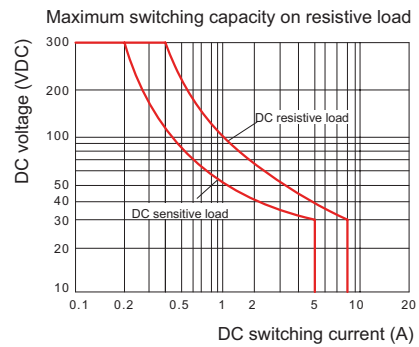
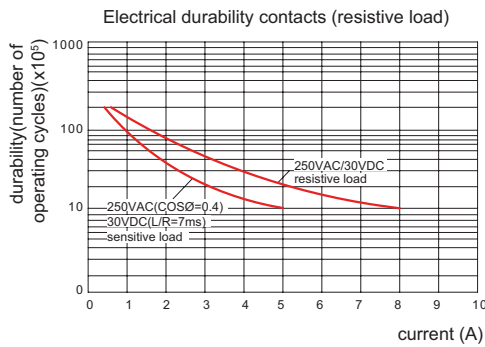
Remarks: Coil resistances under coil voltage 110V are measured with tolerances of 10%; above coil voltage 110V are measured with tolerances of 15%.

### Contact Specification

#### RFT1CO-LT

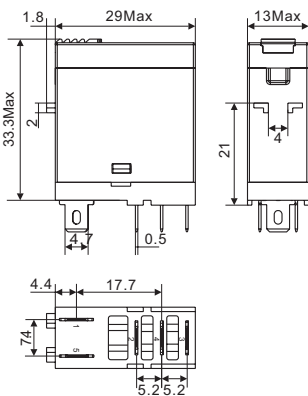


#### RFT2CO-LT

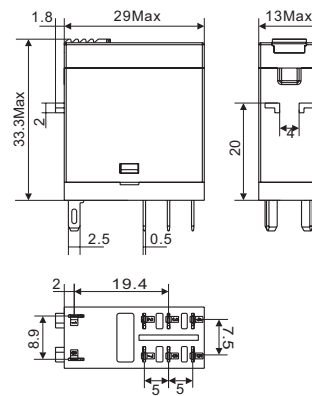


### Dimensions (mm)

#### RFT1CO-LT

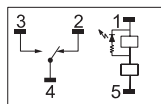


#### RFT2CO-LT

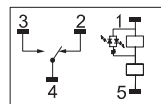


### Wiring Diagrams

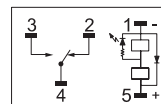
#### RFT1COLT AC



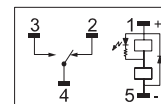
#### RFT1COLT DC



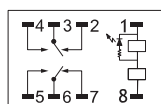
#### RFT1COLTD DC



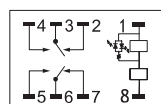
#### RFT1COLTD1 DC



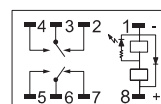
#### RFT2COLT AC



#### RFT2COLT DC



#### RFT2COLTD DC



#### RFT2COLTD1 DC

