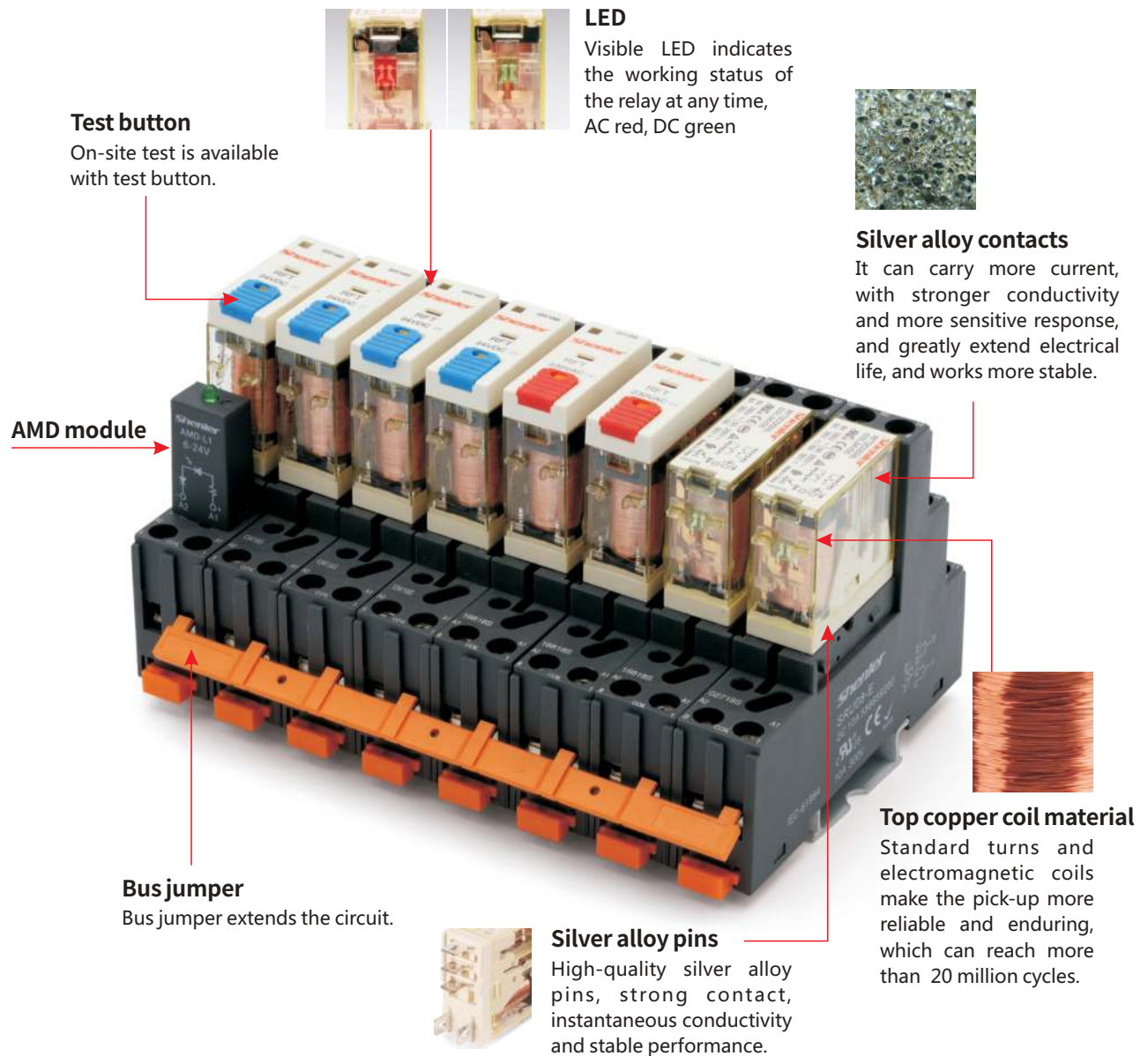


- ◆ Slim and compact size
- ◆ 1 pole 12A; 2 pole 8A
- ◆ With non-polarity LED integrated in relay
- ◆ With lockable test button and inspection window
- ◆ Identification of coils through test button color (AC red/DC blue)
- ◆ Conformity with RoHS Directive





Relay
+



Socket
=



Relay module

RFT □ □ □ □

Other options

blank: standard type

L: with LED

D: with diode (1-,5+; 1-,8+)

D1: with diode(1+,5-; 1+,8-)

LD: with LED and diode (1-,5+; 1-,8+)

LD1: with LED and diode (1+,5-; 1+,8-)

LT: LED + Test button

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

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

B: cover with flange (selection plus B,namely LB,DB,LDB, etc.)

A:gold plated contact

Coil voltage code

Code	006	012	024	048	110	
Voltage (V DC)	6	12	24	48	110	
Code	506	524	536	548	615	730
Voltage (V AC)	6	24	36	48	115	230

Terminal arrangement

O: plug in

Contact form

1C: 1CO

2C: 2CO

Series name

Characteristics

Configuration		1C	2C
Load	Resistance	12A/250VAC, 30VDC	8A/250VAC, 30VDC
	Motor load	1/3HP, 240VAC	1/6HP, 240VAC
	Max. switching capacity (resistive)	3000VA, 360W	2000VA, 240W
Contact	Min. switching capacity	170mW(17V/10mA)	
	Initial contact resistance	≤50mΩ	
	Material	Ag alloy	
	Electrical durability (high temp., frequency 1s on, 1s off)	≥20 x 10 ⁴ Cycles (1800 Ops/h)	
	Electrical durability (normal temp., frequency 1s on, 5s off)	≥30 x 10 ⁴ Cycles(600 Ops/h)	
	Mechanical durability	≥2000 x 10 ⁴ Cycles (18000 Ops/h)	
Pick-up voltage (23°C) (Rated voltage)		DC:≤75% ,AC:≤80% 50/60Hz	
Drop-out voltage (23°C) (Rated voltage)		DC:≥10% ,AC:≥30% 50/60Hz	
Maximum voltage (23°C)(Rated voltage)		110%	
Insulation resistance		≥1000MΩ (500VDC)	
Coil operating power	DC(W)	approx. 0.53	
	AC(VA)	approx. 1.0(60Hz)	
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)	
Insulation characteristics	Rated voltage	250VAC	
	Pollution level	3	
	IEC 60664 UL840 Overvoltage level	III	
Impulse withstand voltage (waveform: 1.2/50μs)		4000V(Altitude 2000m)	

Protection level	IP20
Storage temperature/ humidity	-55~+85°C/5%~68%RH
Working temperature/ humidity	-40~+55°C/5%~85%RH((No condensation)
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. 18g

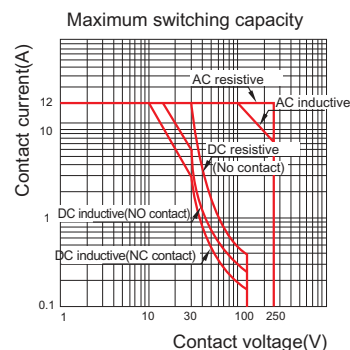
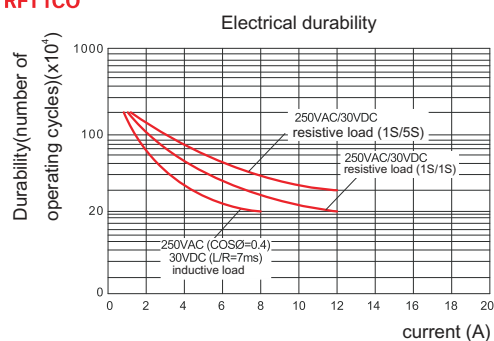
Coil Specifications (23°C)

Nominal voltage V.DC	6	12	24	48	110	
Coil resistance Ω	68	270	1100	4400	22800	
Nominal voltage V.AC	6	12	24	48	115	230
Coil resistance Ω	16	63	260	1100	6300	23500

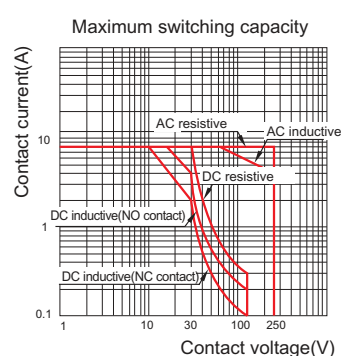
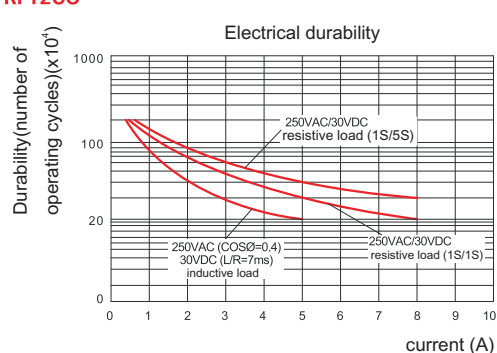
Coil resistance: under coil voltage 110V are measured with tolerance of $\pm 10\%$, above 110V with tolerance of $\pm 15\%$.

Contact Specification

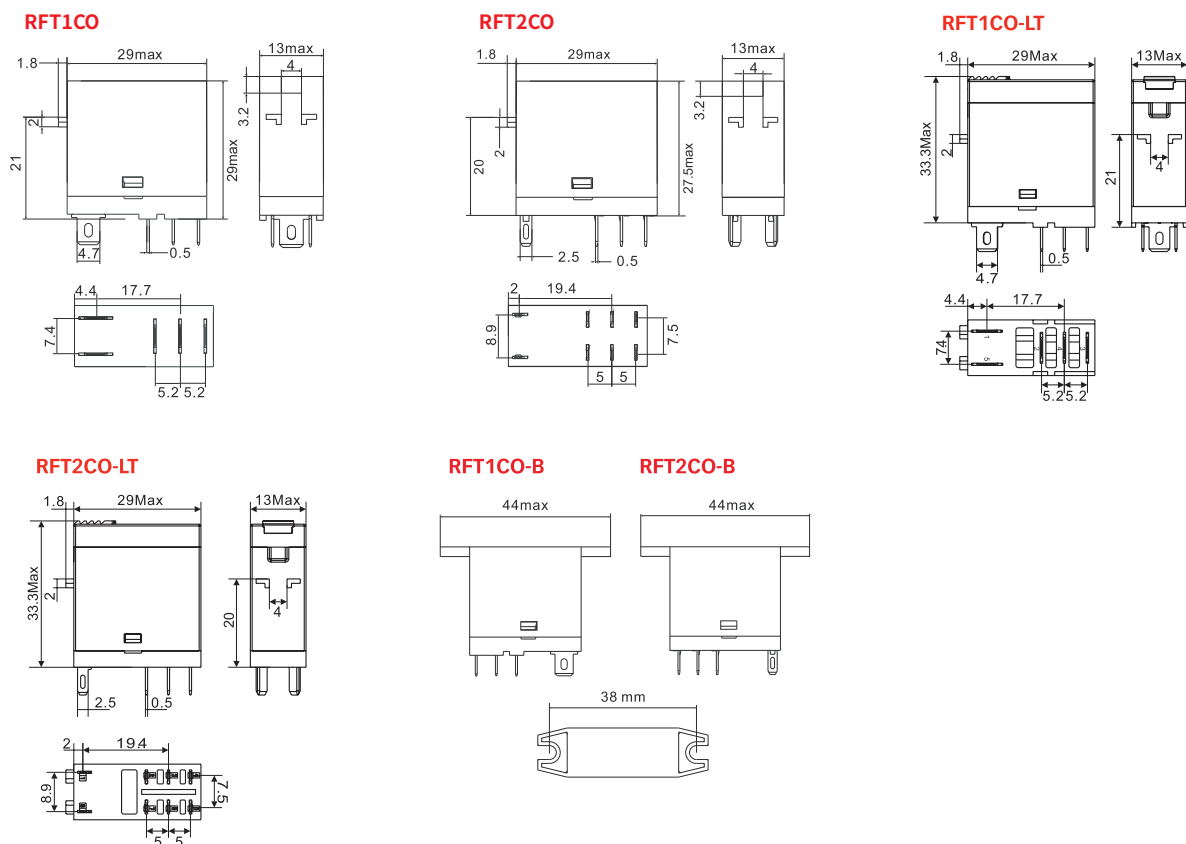
RFT1CO



RFT2CO



Dimensions (mm)



Wiring Diagrams

