

- 1 pole 30A ; 2 poles 25A/40A
- Top-mounted 1/4" quick-connect terminals
- Locating slot for DIN rail mounting
- With finger protection cover (IP20)
- Conformity with RoHS directive
- With safety module monitor
- Widely used in large load such as air conditioners and refrigerators

Fire-resistant materials

The shell is made of flame retardant material, with high strength, high temperature resistance, corrosion resistance and more safety

LED

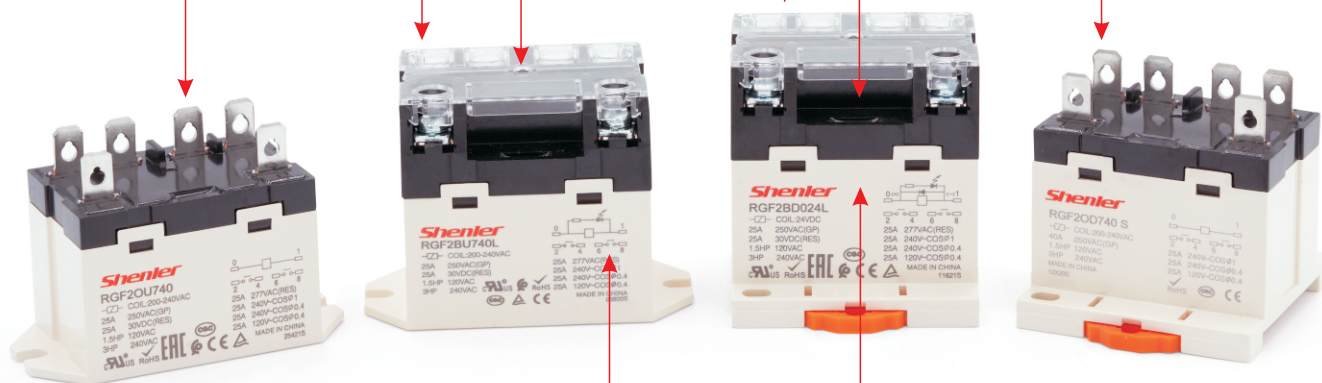
Visible LED indicates the working status of the relay at any time, AC red, DC green

Screw terminal & Flange

Screw terminal & DIN rail

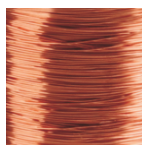
Plug in & DIN rail

Plug in & Flange



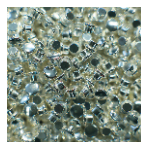
Top copper coil material

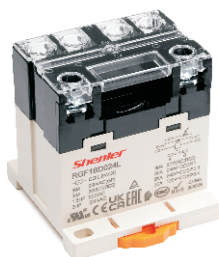
Standard turns and electromagnetic coils make the pick-up more reliable and enduring, which can reach more than 20 million cycles.



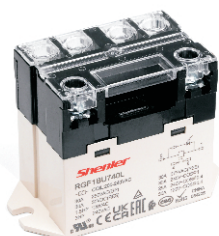
Silver alloy contacts

It can carry more current, with stronger conductivity and more sensitive response, and greatly extend electrical life, and works more stable.

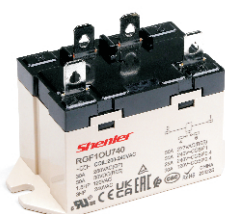




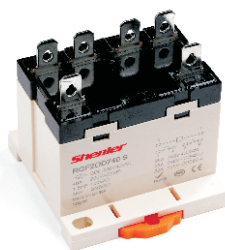
RGF1BD



RGF1BU



RGF10U



RGF20D

RGF □ □ □ □

Other options

L: with LED (only for BU and BD type)

S: with 40A/250VAC contact load (for 2 poles only)

Coil voltage code

Code	006	012	024	048	110	220		
Voltage (V DC)	6	12	24	48	110	220		
Code	506	512	524	548	615	740	880	900
Voltage (V AC)	6	12	24	48	100-120	200-240	380	400

Terminal & Mounting arrangement

O: plug in

OD: plug in & DIN rail

OU: plug in & flange

P: PCB

BU: screw terminal & flange

BD: screw terminal & DIN rail

Contact form

1: 1A (NO)

2: 2A (NO)

Series name

Characteristics

Configuration		1A	2A	2A-S
Load	Resistive	30A 277VAC/30VDC	25A 277VAC/30VDC	40A 250VAC/30VDC
	Motor load	1.5 HP, 120VAC; 3HP, 240VAC		
Max. switching capacity (resistive)		8310 VA, 900W	6925 VA, 750W	10000 VA, 1200W
Initial contact resistance		≤50mΩ		
Contact	Material	Ag alloy		
	Electrical durability	≥10 ⁵ Cycles (1800 Ops/h)		≥5x10 ⁴ Cycles (360 Ops/h)
	Mechanical durability	≥5000 x 10 ⁴ Cycles (1800 Ops/h)		
Pick-up voltage (23°C) (Rated voltage)		DC:≤80% , AC:≤80% 50/60Hz		
Drop-out voltage (23°C) (Rated voltage)		DC:≥15% , AC:≥15% 50/60Hz		
Maximum voltage (23°C) (Rated voltage)		110%		
Insulation resistance		≥1000MΩ (500VDC)		
Coil operating power	DC(W)	approx. 1.9		
	AC(VA)	approx. 2.5(60Hz)		
Operate time&Release time (at nominal voltage)		≤30ms		
Initial breakdown voltage	Between open contacts	2000VAC/1min (leakage current 1mA)		
	Between poles	2000VAC/1min (leakage current 1mA)		
	Between contacts and coil	4000VAC/1min (leakage current 1mA)		
Insulation characteristics	Rated voltage	277VAC		
	Pollution level	3		
IEC 60664 UL840	Overvoltage level	III		
Impulse withstand voltage (waveform: 1.2/50μs)		6000V		
Protection level		IP20		
Storage temperature/ humidity		-55~+85°C/ ≤85%RH (18 months)		
Working temperature/ humidity		-25~+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:1.5mm		
Mounting		plug in type; screw type; PCB type; DIN rail mounting type		
Unit weight		plug in type about 90g; screw type around 120g		

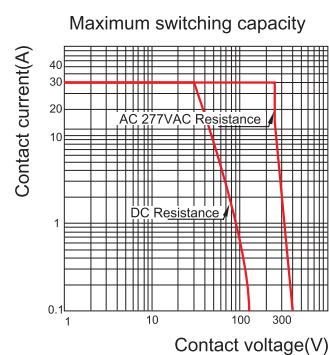
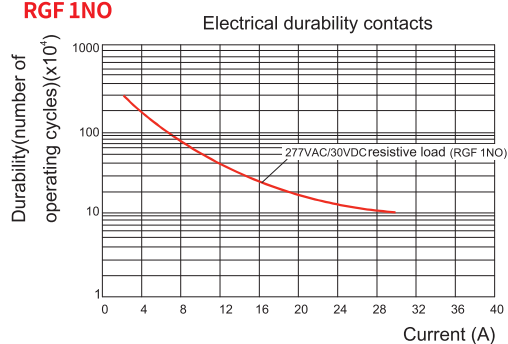
Coil Specifications (23°C)

Nominal voltage V.DC	6	12	24	48	110	220		
Coil resistance Ω	18.9	75	303	1220	6360	25474		
Nominal voltage V.AC	6	12	24	48	100-120	200-240	380	400
Coil resistance Ω	14	55	275	1100	5200	21000	62650	62650

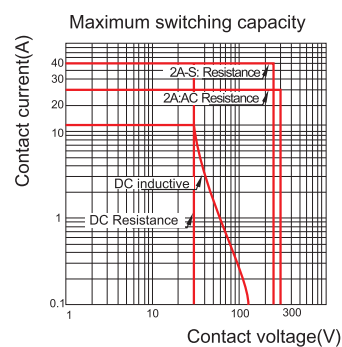
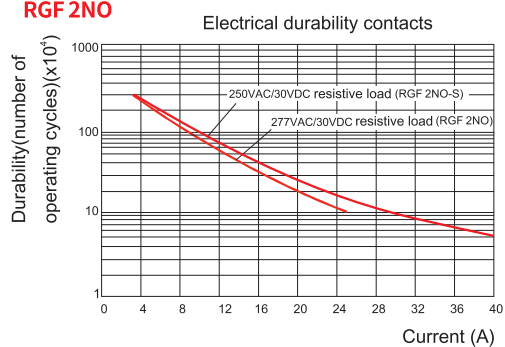
Coil resistance: under coil voltage 110V are measured with tolerance of $\pm 10\% \Omega$, above 110V with tolerance of $\pm 15\% \Omega$.

Contact Specification

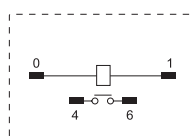
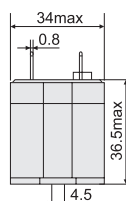
RGF 1NO



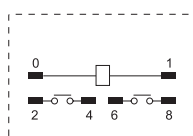
RGF 2NO



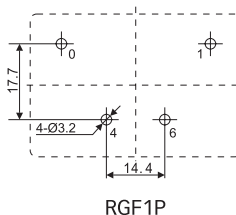
RGF1P/2P



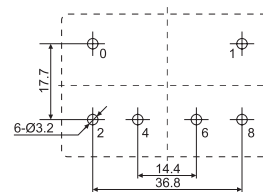
RGF1



RGF2



RGF1P



RGF2P