

Shenler

Bring reliability to everything we RELAY

Electromagnetic Relay Product Catalogue

Industrial Relays | Interface Relays | Timers | Sockets and Accessories



>>> About Shenler

Founded in 1985, Zhe Jiang Shenle Electric Co., Ltd. , is China leading industrial relay manufacturer with "Shenler" as China Top10 relay brand starting from 2007. Shenler focus on R & D, manufacturing and sales in industrial relay sector, providing more than 50 series, 1000 kinds of relay and socket products.

Shenler constantly maintains product consistency and reliability by implementing continuous improvement program through whole production process from product research and design, parts manufacturing, mold making, plastic injection to final assembling. In 2011, Shenler was awarded as Global Manufacturer by GMC audit committee.

Product Family	Certifications
P.C.B. Relays	UL
Industrial Relays	CSA
Interface Relays	CE
Timers	TUV
Sockets and Accessories	CQC

Over the years, Shenler has been committed to market acumen, technology innovation, and product quality to provide complete relay solutions to most industrial applications.

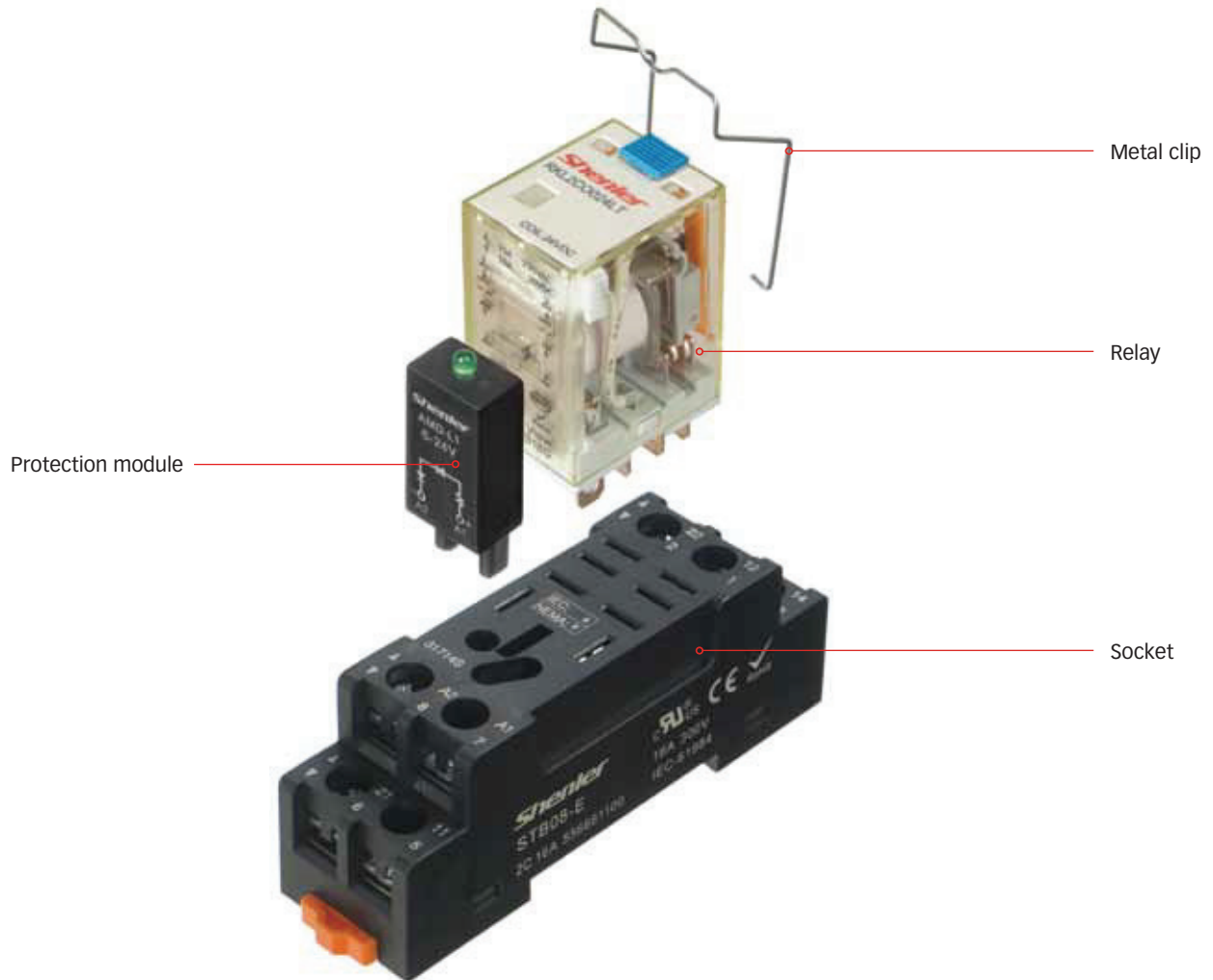
Shenler relays are widely used in construction machinery, hoisting machinery, machine tools, paper making equipment, motor control, lift, the robot, food and beverage, rubber machinery, ceramic machinery, printing and packaging, plastic machinery, textile machinery, logistics equipment, electronic manufacturing, petrochemicals, new energy and other fields.

Shenler has well established sales and service network covering mainland China and Taiwan, more than 50% products are exported to the United States, Germany, France, Italy, Japan, Korea and other countries and regions.

Shenler

>>> RKL Miniature Power Relay

Shenler
>>> Industrial Relay Series



Note: Applicable protection modules and accessories please refer to Page 52 to 54.

>>> RKL Miniature Power Relay



RKL2CO024LT



RKL2CO730LT

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 (C: change over)
- 2C (C: change over)
- 3C (C: change over)
- 4C (C: change over)

Mount options

O: plug in

Coil voltage

006~220: 6~220VDC
506~880: 6~380VAC

Options

LT: LED + test button

LTD: LED + test button + diode



Characteristics

Configuration		1C	2C	3C	4C
Contact	Rated current/ Resistive load	16A/250VAC 30VDC	10A/250VAC 30VDC		
	Rated voltage 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	≥10 ⁵ times (1800 Ops/h)			
	Mechanical durability	≥10 ⁷ 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	≥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			
	Between poles	2000VAC/1min			
	Between contacts and coil	2000VAC/1min			
Ambient temperature	-25~+55°C				
Humidity	35%~85%RH				
Air pressure	86~106KPa				
Shock resistance	10G				
Vibration resistance	10~55Hz double-amplitude:1.0mm				
Mounting	plug in				
Unit weight	approx. 35g	approx. 35g	approx. 50g	approx. 65g	

Coil Specifications (23°C)

RKL1, RKL2

Voltage code	006	009	012	024	036	048	110	220		
Nominal voltage V.DC	6	9	12	24	36	48	110	220		
Coil resistance Ω	40	90	160	630	1500	2600	11000	42000		
Voltage code	506	512	524	536	548	615	720	730	740	880
Nominal voltage V.AC	6	12	24	36	48	115	220	230	240	380
Coil resistance Ω	11.5	40	160	370	600	4430	13000	16500	18790	42000

RKL3

Voltage code	006	009	012	024	036	048	110	220		
Nominal voltage V.DC	6	9	12	24	36	48	110	220		
Coil resistance Ω	25	56	100	400	900	1600	8400	33000		
Voltage code	506	512	524	536	548	615	720	730	740	880
Nominal voltage V.AC	6	12	24	36	48	115	220	230	240	380
Coil resistance Ω	6.5	25.5	102	230	410	2500	8600	10000	10000	26000

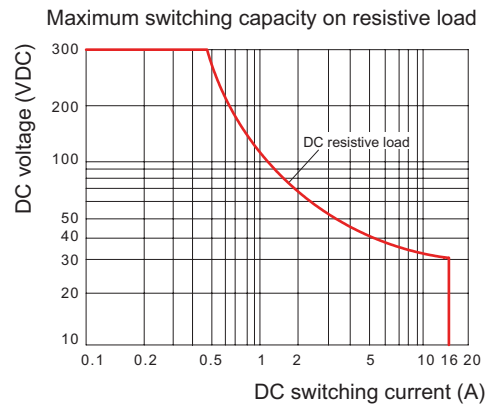
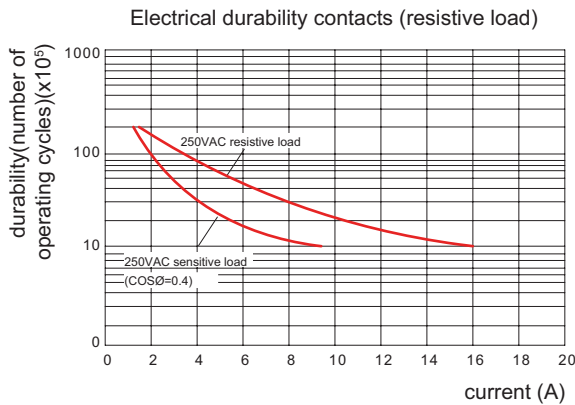
RKL4

Voltage code	006	009	012	024	036	048	110	220		
Nominal voltage V.DC	6	9	12	24	36	48	110	220		
Coil resistance Ω	24	54	96	360	865	1540	6800	29000		
Voltage code	506	512	524	536	548	615	720	730	740	880
Nominal voltage V.AC	6	12	24	36	48	115	220	230	240	380
Coil resistance Ω	5	20	80	180	320	1680	6700	8000	8000	20000

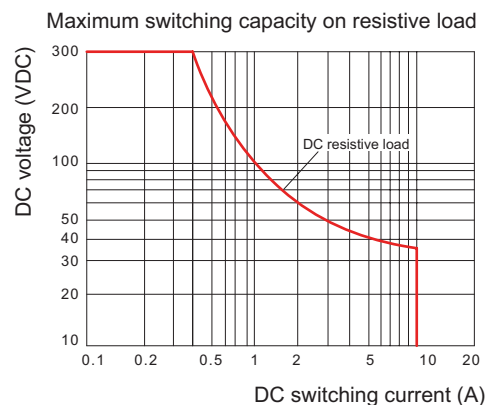
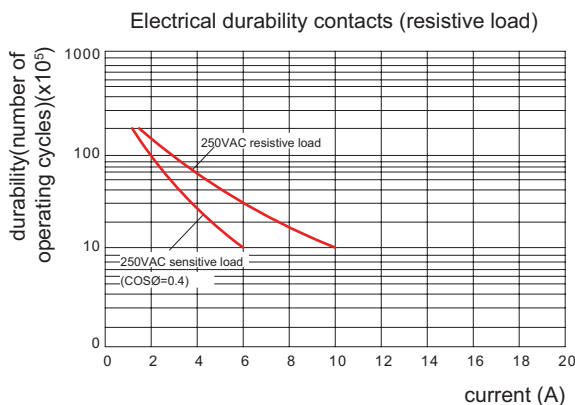
Remarks: Coil resistances under coil voltage 110V are measured with tolerances of 10%; above coil voltage 110V are measured with tolerances of 15%.

Contact Specification

RKL1CO



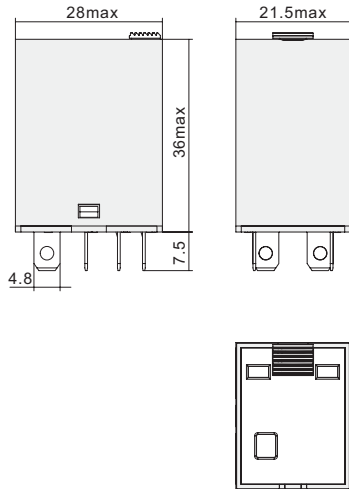
RKL2CO/3CO/4CO



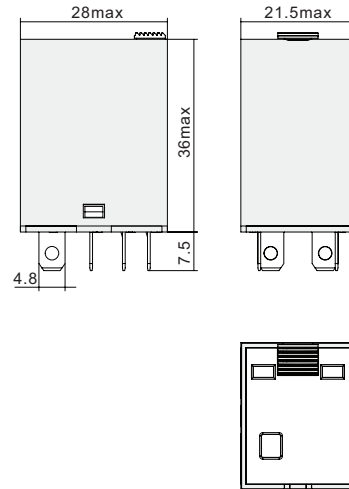
>>> RKL Miniature Power Relay

Dimensions (mm)

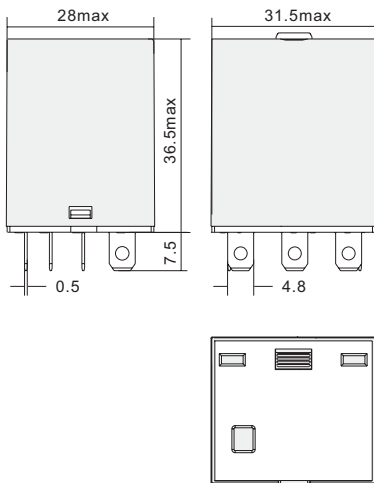
RKL1CO



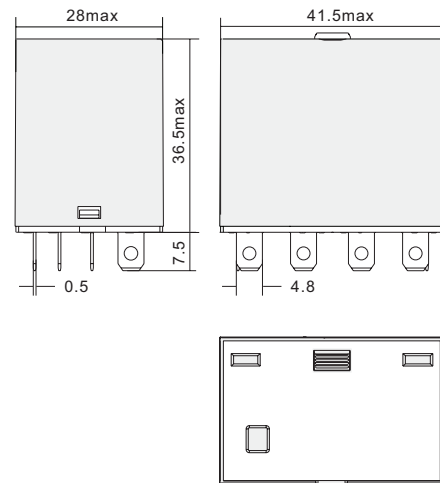
RKL2CO



RKL3CO

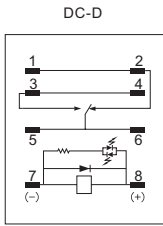
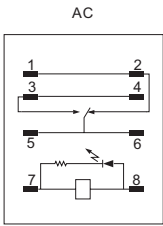
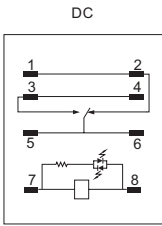
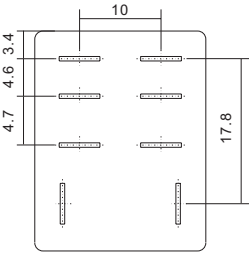


RKL4CO

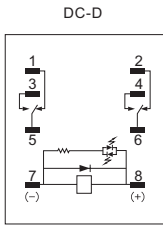
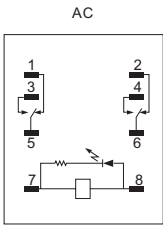
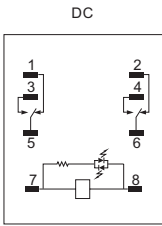
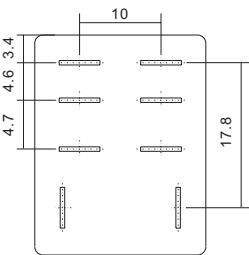


Wiring Diagrams

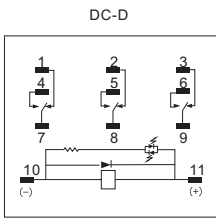
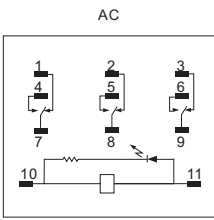
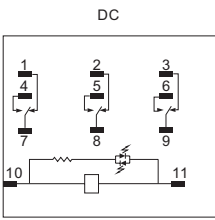
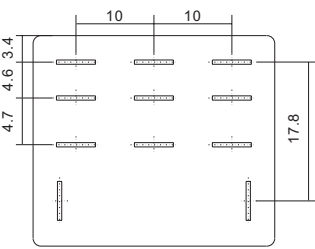
RKL1CO



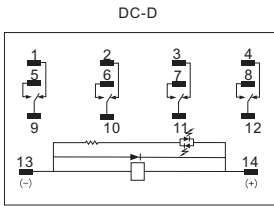
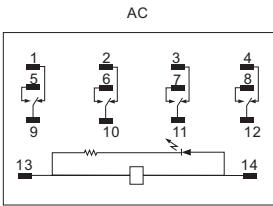
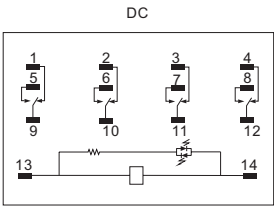
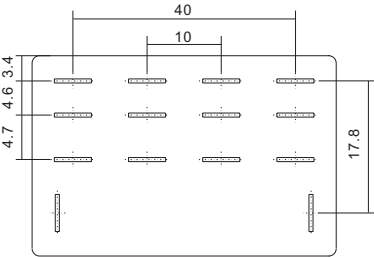
RKL2CO



RKL3CO



RKL4CO



>>> RKL Miniature Power Relay

RKL Socket

>>> STB□□-E

Presentation



16 AMPS 300 VOLTS



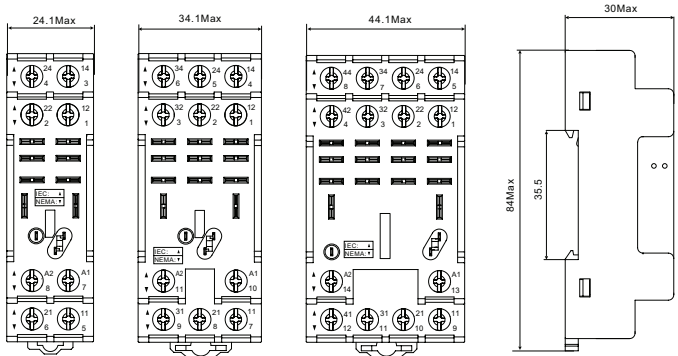
Characteristics

Type			STB08-E	STB11-E	STB14-E
Nominal load	Current	A	16		
	Voltage	V	300		
Dielectric strength	Between coil and contact	V/S	4000		
	Between contacts	V/S	2500		
Max. tightening torque	Nm	1.2			
Wire size	AWG/mm ²	20-14/0.5-2.5			
Ambient temperature	°C	-40~+85			
Unit weight	g	46	62	78	

Relay, accessories selection table

Socket	Plastic clip	Metal clip	ID tag	Module	DIN rail
STB08-E	-	SK36M	-	AMD	PFP
STB11-E	-	ST36M3C	-	BMD	
STB14-E	-	ST36M4C	-	BMD	

Dimensions (mm)

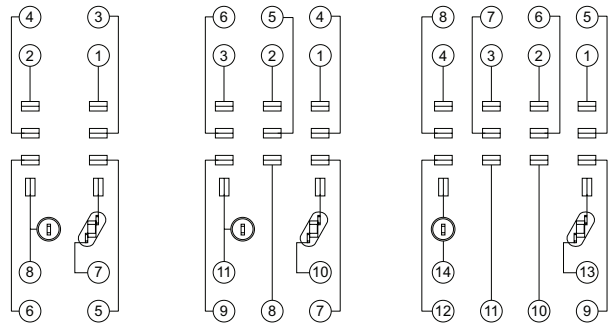


STB08-E

STB11-E

STB14-E

Connection Diagrams



STB08-E

STB11-E

STB14-E