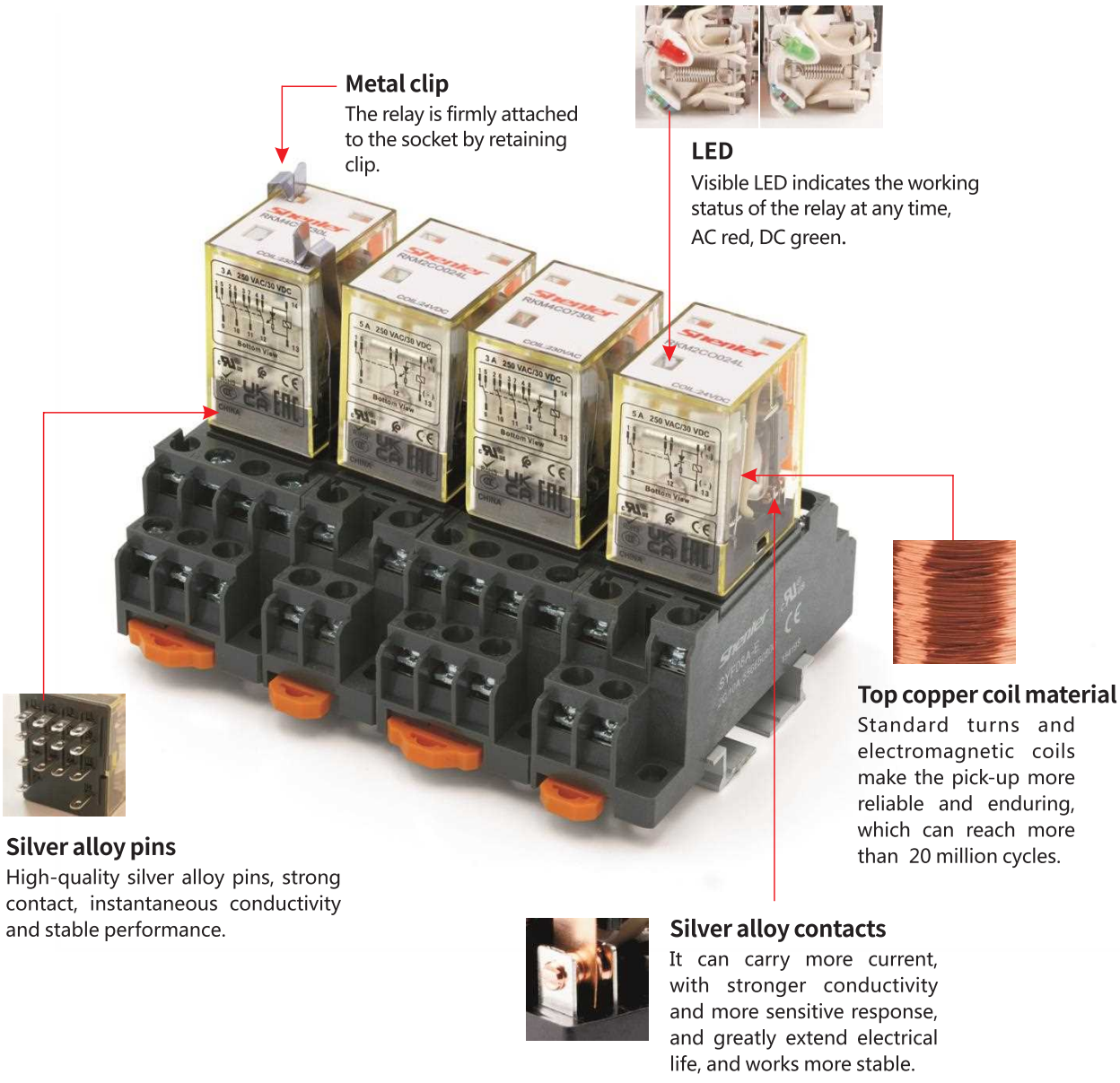
RKM

Miniature General Purpose Relay

- 2 poles 5A, 4 poles 3A
- With LED integrated in relay
- With inspection window
- Shenler industrial relays are widely used in the output signal and safety drive of PLC, CNC system, robot, intelligent manufacturing and other control systems. It is the best choice to realize remote control, production and processing, packaging, transportation, testing, storage and other equipment and automatic assembly lines.



Metal clip
The relay is firmly attached to the socket by retaining clip.

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

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 pins
High-quality silver alloy pins, strong contact, instantaneous conductivity and stable performance.

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

Selection manual of industrial control relay

RKM

Miniature General Purpose Relay

Relay

+

Socket

=

Relay module

RKM □ □ □ □

Other options
L: LED
LD: LED + diode (13-,14+)
LD1: LED+diode(13+, 14-)

Coil voltage code

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

Terminal arrangement
O: plug in

Contact form
2C: 2CO
3C: 3CO
4C: 4CO

Series name

Characteristics

Contact	Configuration		2C/3C	4C
	Load	Resistance	5A/250VAC, 30VDC	3A/250VAC, 30VDC
		Motor load	1/3HP, 240VAC	1/6HP, 240VAC
	Max. switching capacity (resistive)		1250VA, 150W	750VA, 90W
	Min. switching capacity		170mW(17V/10mA)	
	Initial contact resistance		≤50mΩ	
	Material		Ag alloy	
	Electrical durability		≥10 x 10^4Cycles (1800 Ops/h)	
	Mechanical durability		≥2000 x 10^4Cycles (18000 Ops/h)	
Pick-up voltage (23℃) (Rated voltage)			DC:≤75%, AC:≤80% 50/60Hz	
Drop-out voltage (23℃) (Rated voltage)			DC:≥10%, AC:≥30% 50/60Hz	
Maximum voltage (23℃) (Rated voltage)			110%	
Insulation resistance			≥500MΩ (500VDC)	
Coil operating power	DC(W)		approx. 0.9	
	AC(VA)		approx. 1.2(60Hz)	
Operate time&Release time (at nominal voltage)			≤20ms	
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)	
Insulation characteristics IEC 60664 UL840	Rated voltage		250VAC	
	Pollution level		3	2
	Overvoltage level		III	II
Impulse withstand voltage (waveform: 1.2/50us)			4000V(Altitude 2000m)	
Protection level			IP20	
Storage temperature/ humidity			-55~+85℃/ ≤85%RH (18 months)	
Working temperature/ humidity			-55~+70℃/ 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. 35g	

★ If the storage exceeds 18 months (calculated from the factory date), it is recommended to re-test theparameters before using.

RKM

Miniature General
Purpose Relay

Coil Specifications (23°C)

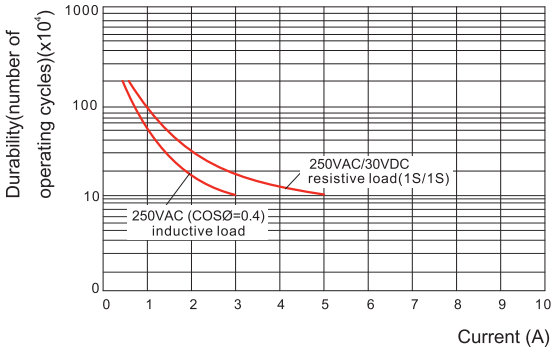
Nominal voltage V.DC	6	12	24	48	110	220	
Coil resistance Ω	40	180	640	2600	13000	42000	
Nominal voltage V.AC	6	24	36	48	115	230	380
Coil resistance Ω	11.5	180	370	640	4430	16500	42000

Coil resistance: under coil voltage 110V are measured with tolerance of ±10%Ω, above 110V with tolerance of ±15%Ω.

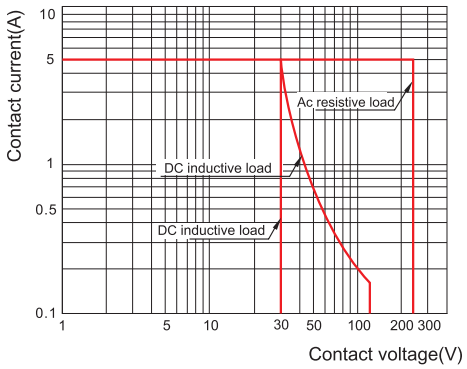
Contact Specification

RKM2CO

Electrical durability contacts

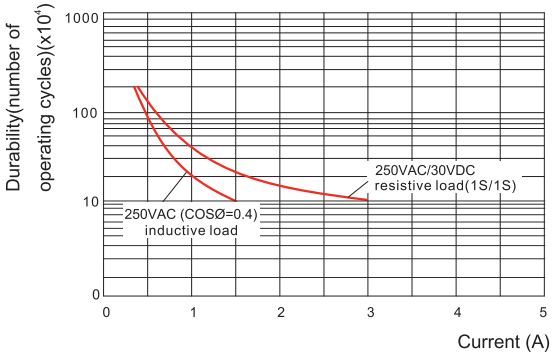


Maximum switching capacity

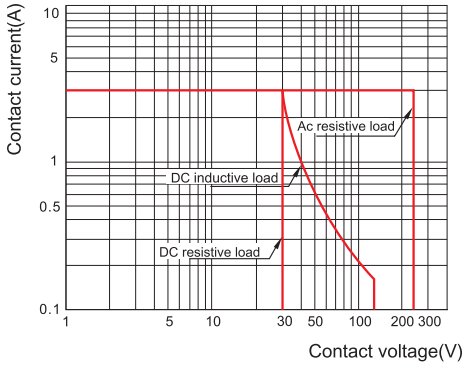


RKM4CO

Electrical durability contacts



Maximum switching capacity

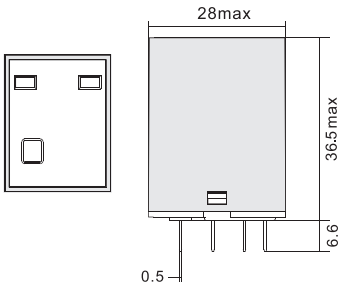


RKM

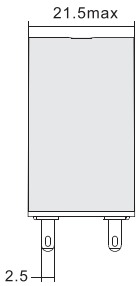
Miniature General
Purpose Relay

Dimensions (mm)

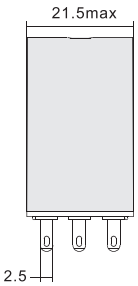
RKM2CO/3CO/4CO



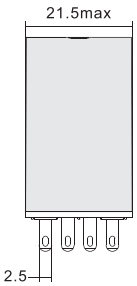
RKM2CO



RKM3CO

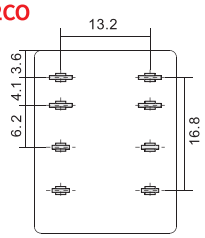


RKM4CO

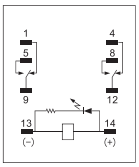


Wiring Diagrams

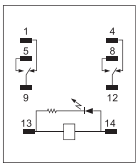
RKM2CO



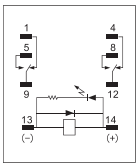
DC



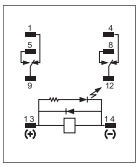
AC



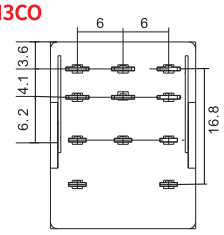
DC-D



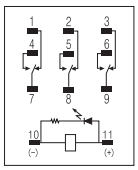
DC-D1



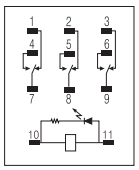
RKM3CO



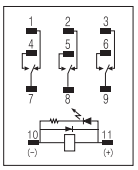
DC



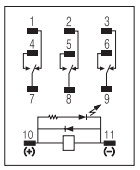
AC



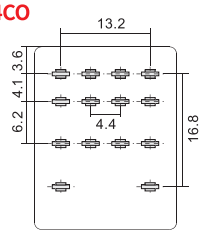
DC-D



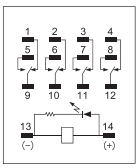
DC-D1



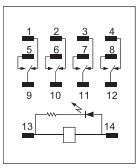
RKM4CO



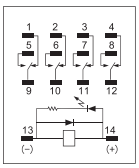
DC



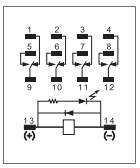
AC



DC-D



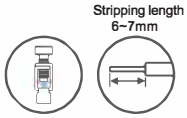
DC-D1



SKB08-E & SKB14-E

RKM Socket

Characteristics



SKB08-E

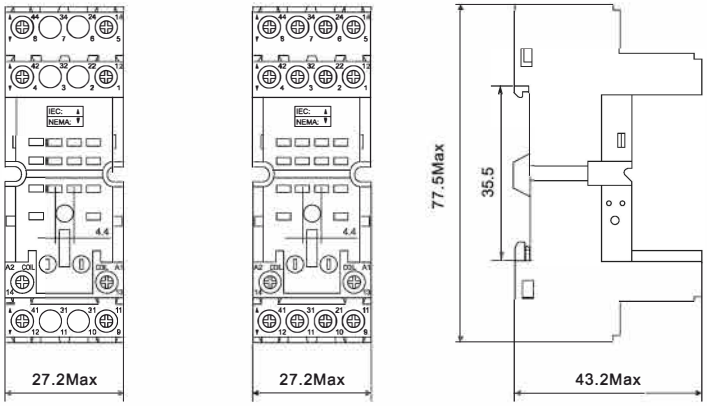
SKB14-E

Type			SKB08-E	SKB14-E
Nominal load	Current	A	12	10
	Voltage	V	300	
Dielectric strength	Between coil and contact	V/min	4000	
	Between contacts	V/min	2500	
Max. tightening torque		Nm	1.0	
Wire size		AWG/mm²	20-14/0.5-2.5	
Ambient temperature		℃	-40~+85	
Unit weight		g	50	56

Accessories

Socket	Plastic clip	Metal clip	ID tag	Module
SKB08-E				
SKB14-E				
	SK36F	SK36M	SK4P	AMD

Dimensions (mm)

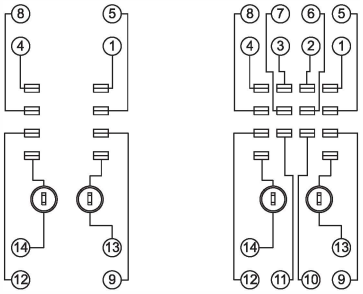


SKB08-E SKB14-E

Connection Diagrams

SKB08-E

⑬⑭ : A1 A2
①④ : NC
⑤⑧ : NO
⑨⑫ : COM



SKB14-E

⑬⑭ : A1 A2
①②③④ : NC
⑤⑥⑦⑧ : NO
⑨⑩⑪⑫ : COM

SKC08-ST & SKC14-ST

RKM Socket

Characteristics

SKC08-ST

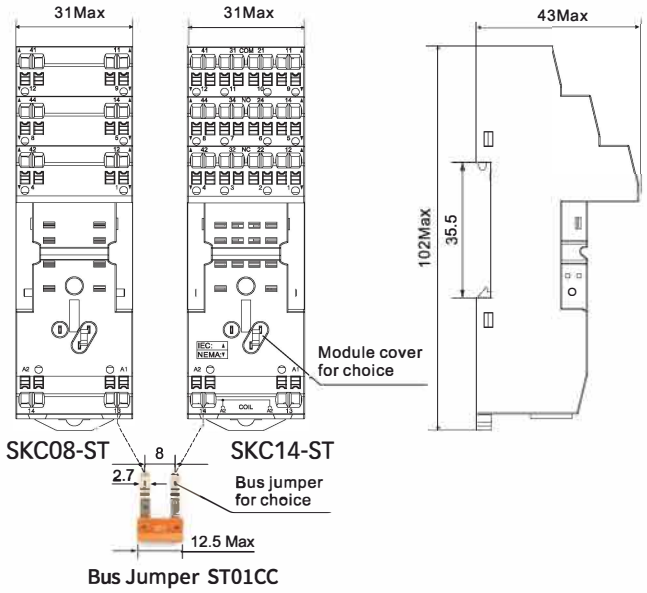
SKC14-ST

Type			SKC08-ST	SKC14-ST
Nominal load	Current	A	12	8
	Voltage	V	300	
Dielectric strength	Between coil and contact	V/min	4000	
	Between contacts	V/min	2500	
Max. tightening torque		Nm	-	
Wire size		AWG/mm²	20-16/0.5-1.5	
Ambient temperature		℃	-40~+85	
Unit weight		g	80	80

Accessories

Socket	Plastic clip	Metal clip	ID tag	Module	Bus Jumper
SKC08-ST					
SKC14-ST	SK36F	SK36M	SK4P	AMD	ST01CC

Dimensions (mm)



Connection Diagrams