

Shenler

Bring reliability to everything we RELAY

Electromagnetic Relay Product Catalogue

Industrial Relays | Interface Relays | Timers | Sockets and Accessories



>>> About Shenler

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

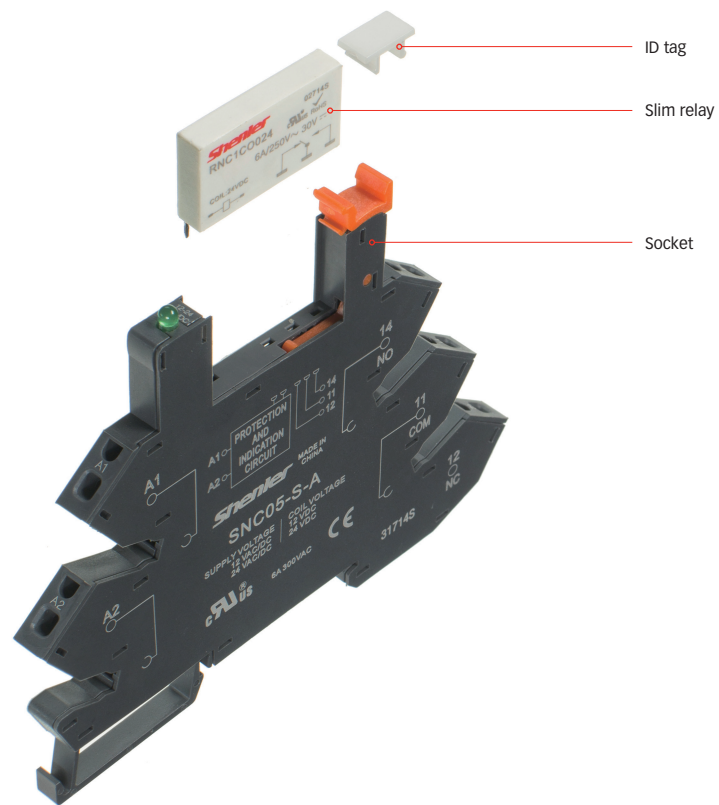
Over the years, Shenler has been committed to market acumen, technology innovation, and product quality to provide complete relay solutions to most industrial applications.

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

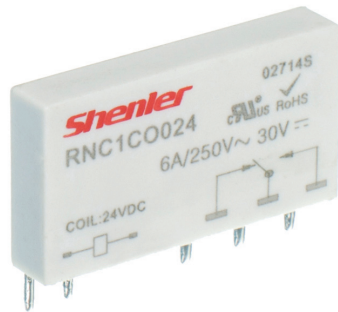
>>> RNC Interface Relay

Shenler
Industrial Relay Series



NEW! Now available with push in terminal base





RNC1CO/1CP



Features

- > 5mm thickness, up to 6A breaking capacity.
- > Conformity with RoHS directive.
- > Wide choice of sockets available covering a range of voltages from 3 to 230V.

Ordering Information

	RNC <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Contact form _____	
1A (A: normal open)	
1C (C: change over)	
Terminal arrangement _____	
O: Vertical pin	
P: Horizontal pin	
Coil voltage _____	
003~060: 3~60VDC	
Other options _____	
Blank: Conventional	
V: Coil consumption 0.21W (only to 3~24VDC)	
G: Gold plated contact	

Characteristics

	Configuration	1A, 1C
Contact	Load Resistance	6A/250VAC 30VDC
	Switching capacity (resistive)	1500VA 180W
	Initial contact resistance	≤100mΩ (gold plated contact ≤ 30mΩ)
	Material	Ag alloy
	Electrical durability	NO: 6x10 ⁴ ; NC: 30000 times (1800 Ops/h)
	Mechanical durability	≥2 x 10 ⁷ times (18000 Ops/h)
	Pick-up voltage (23°C)	DC: ≤75% (Rated voltage)
	Drop-out voltage (23°C)	DC: ≥5% (Rated voltage)
	Maximum voltage (23°C)	110% (Rated voltage)
	Insulation resistance	≥1000mΩ (500VDC)
	Coil operating power 3~24 VDC	approx. 0.17 W
	48~60 VDC	approx. 0.21 W
	Operate time (at nominal voltage)	≤8ms
	Release time (at nominal voltage)	≤4ms
Initial breakdown voltage	Between open contacts	1000VAC/1min
	Between contacts and coil	4000VAC/1min
	Ambient temperature	-40~+85°C
	Humidity	5%~85%RH
	Air pressure	86~106KPa
	Shock resistance	10G
	Vibration resistance	10~55Hz double-amplitude: 1.0mm
	Mounting	PCB
	Unit weight	6g

>>> RNC Interface Relay

Shenler
Industrial Relay Series

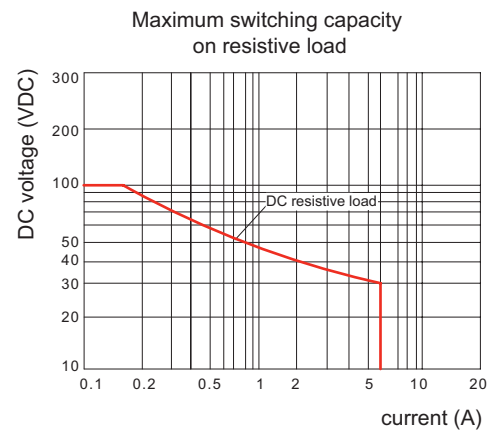
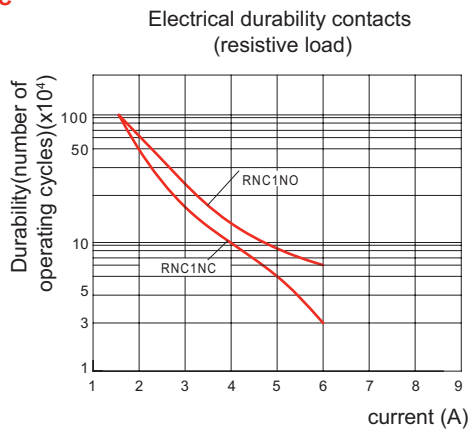
Coil Specifications (23°C)

Voltage code	003	005	006	009	012	018	024
Nominal voltage V.DC (0.17W)	3	5	6	9	12	18	24
Coil resistance Ω	43	147	212	480	847	1906	3388
Voltage code	048	060					
Nominal voltage V.DC (0.21W)	48	60					
Coil resistance Ω	10971	17143					

Remarks: Coil resistances under coil voltage 48V are measured with tolerances of 10%; above coil voltages 48V are measured with tolerances of 15%.

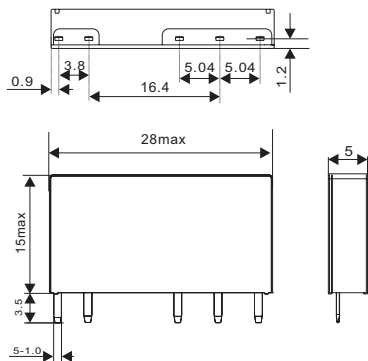
Contact Specification

RNC1A, 1C

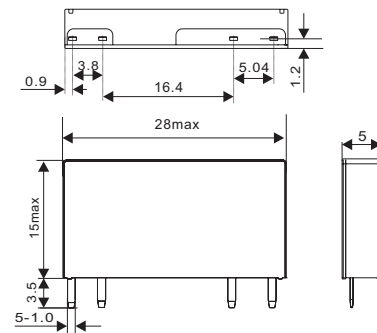


Dimensions (mm)

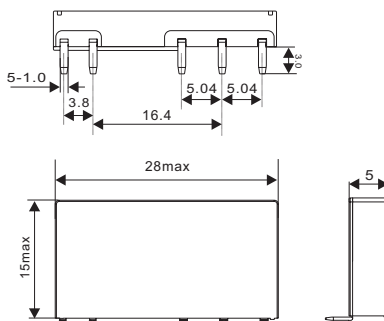
1C0



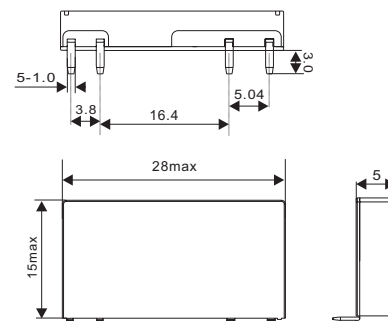
1A0



1CP



1AP



Wiring Diagrams

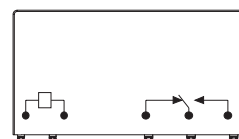
1C0 Bottom view



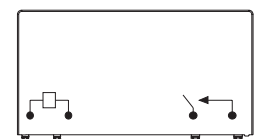
1A0 Bottom view



1CP



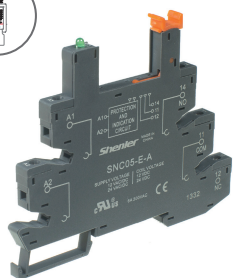
1AP



RNC Socket

>>> SNC05-E

Presentation



8 AMPS 300 VOLTS



Model No.	Input	For use with relay coil voltage
SNC05-E-A	12/24V	12/24VDC
SNC05-E-B	48/60V	48/60VDC
SNC05-E-C	110V	60VDC
SNC05-E-D	230V	60VDC

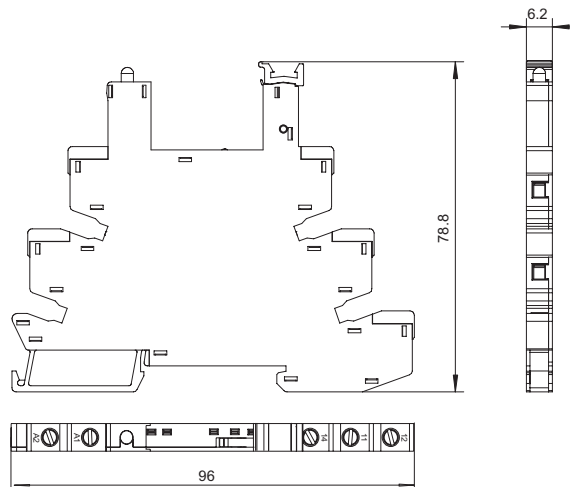
Characteristics

Nominal load	Current	A	8
	Voltage	V	300
Dielectric strength	Between coil and contact	V/S	4000
	Between contacts	V/S	2500
Max. tightening torque	Nm		0.5
Wire size	AWG/mm ²		20-16/0.5-1.5
Ambient temperature	°C		-40~+85
Unit weight	g		24

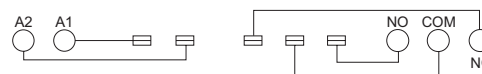
Relay, accessories selection table

Socket	Bus jumper	Legend	Partition plate	DIN rail
SNC05-E	SN20B	SN64P	SN20S	PFP

Dimensions (mm)

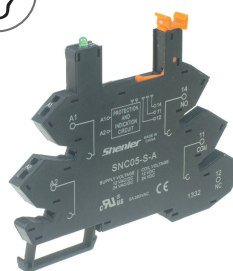


Connection Diagrams



>>> SNC05-S

Presentation



8 AMPS 300 VOLTS



Model No.	Input	For use with relay coil voltage
SNC05-S-A	12/24V	12/24VDC
SNC05-S-B	48/60V	48/60VDC
SNC05-S-C	110V	60VDC
SNC05-S-D	230V	60VDC

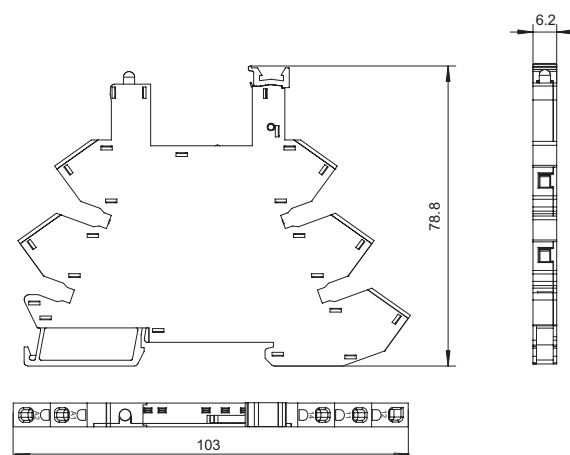
Characteristics

Nominal load	Current	A	8
	Voltage	V	300
Dielectric strength	Between coil and contact	V/S	4000
	Between contacts	V/S	2500
Max. tightening torque	Nm		-
Wire size	AWG/mm ²		20-16/0.5-1.5
Ambient temperature	°C		-40~+85
Unit weight	g		25

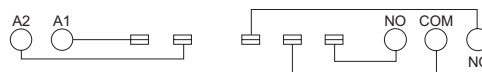
Relay, accessories selection table

Socket	Bus jumper	Legend	Partition plate	DIN rail
SNC05-S	SN20B	SN64P	SN20S	PFP

Dimensions (mm)

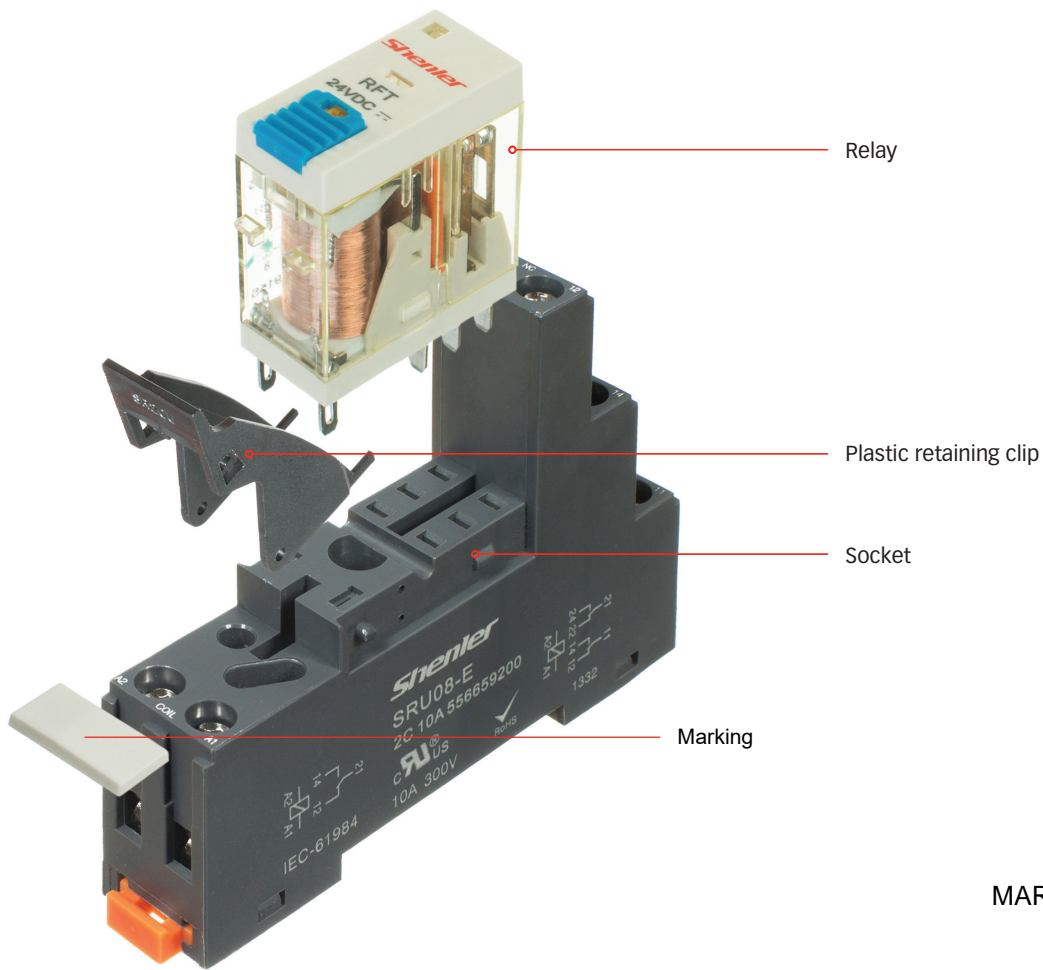


Connection Diagrams



>>> RFT Interface Relay

Shenler
▶▶ Industrial Relay Series



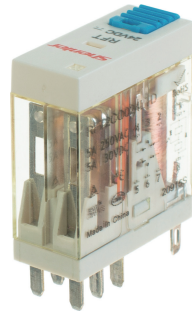
MARDAG offers a Marking service

>>> RFT Interface Relay

Shenler
Industrial Relay Series



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 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	≥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		

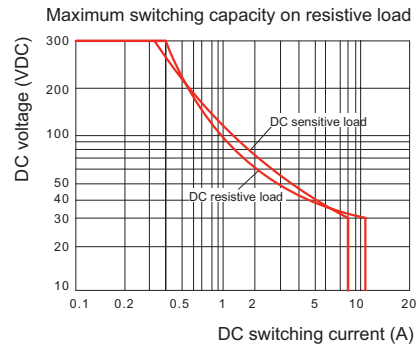
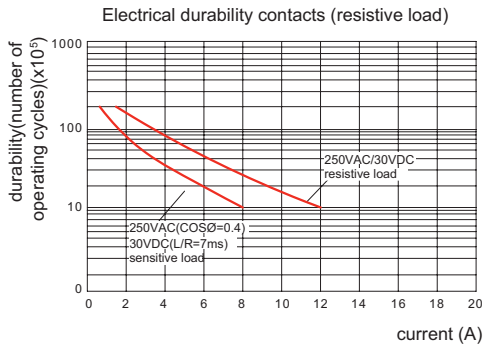
Coil Specifications (23°C)

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

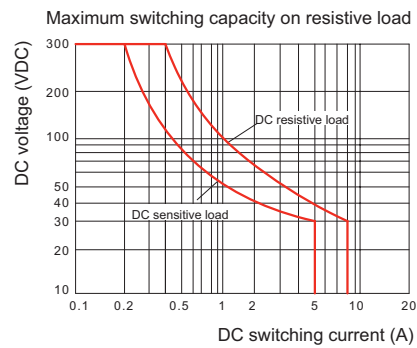
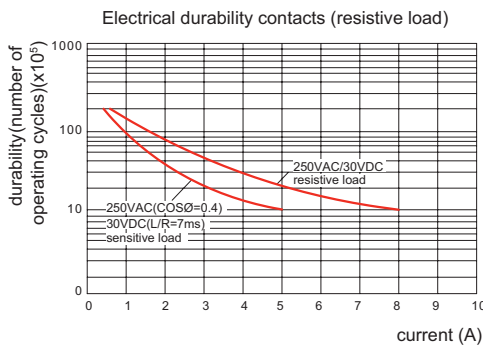
Remarks: Coil resistances under coil voltage 110V are measured with tolerances of 10%; above coil voltage 110V are measured with tolerances of 15%.

Contact Specification

RFT1CO-LT

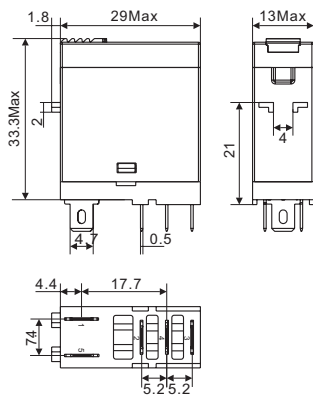


RFT2CO-LT

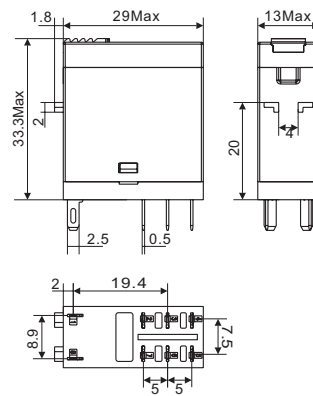


Dimensions (mm)

RFT1CO-LT

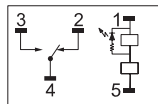


RFT2CO-LT

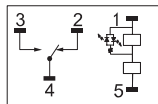


Wiring Diagrams

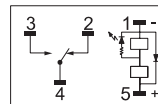
RFT1COLT AC



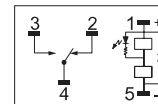
RFT1COLT DC



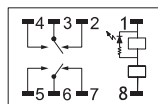
RFT1COLTD DC



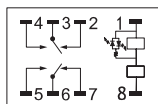
RFT1COLTD1 DC



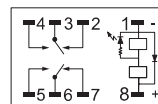
RFT2COLT AC



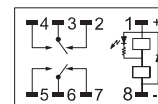
RFT2COLT DC



RFT2COLTD DC



RFT2COLTD1 DC



>>> RFT Interface Relay

Shenler
>>> Industrial Relay Series

RFT Socket

>>> SRU□□-E

Presentation



10/16 AMPS 300 VOLTS



Characteristics

Type			SRU05-E	SRU08-E
Nominal load	Current	A	16	10
	Voltage	V	300	
Dielectric strength	Between coil and contact	V/S	4000	
	Between contacts	V/S	2500	
Max. tightening torque	Nm		1.0	
Wire size	AWG/mm ²		20-14/0.5-2.5	
Ambient temperature	°C		-45~+85	
Unit weight	g		35	43

Relay, accessories selection table

Socket	Plastic clip	Metal clip	ID tag	Module	DIN rail	Bus jumper
SRU05-E	SR20T	-	SR2P	AMD	PFP	SR08B
SRU08-E						

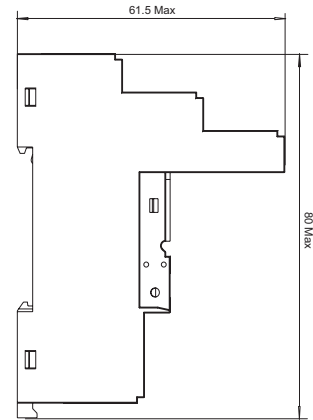
Dimensions (mm)



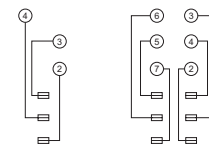
SRU05-E



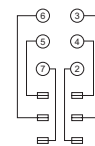
SRU08-E



Connection Diagrams



SRU05-E



SRU08-E

NEW! Now available with push in terminal base

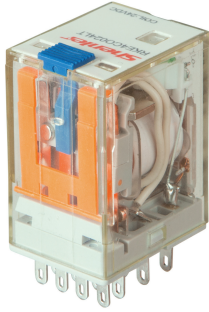


RFT1C

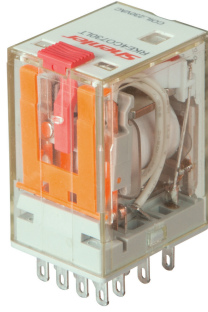


RFT2C

>>> RKE General Purpose Relay



RKE4CO024LT



RKE4CO730LT

Features

- > 2 pole 7A; 4 pole 5A
- > 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

RKE

Contact form _____

2C: 2 change over

4C: 4 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

A: for signal control (selection plus A, namely LTA, LTDA, LSA)



Characteristics

Configuration		2C	4C
Contact	Rated current/ Rated voltage	Resistive load 7A/250VAC 30VDC	5A/250VAC 30VDC
		Motor load 1/6HP 240VAC	
	Switching capacity (resistive)	2500VA, 300W	1250VA 150W
	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	
	AC(VA)	approx. 1.2	
	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	-55~+70°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	35g	

>>> RKE Miniature General Purpose Relay

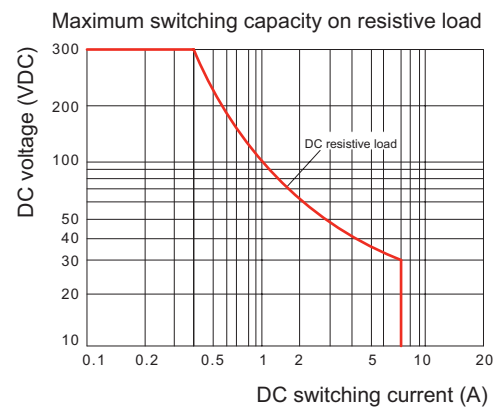
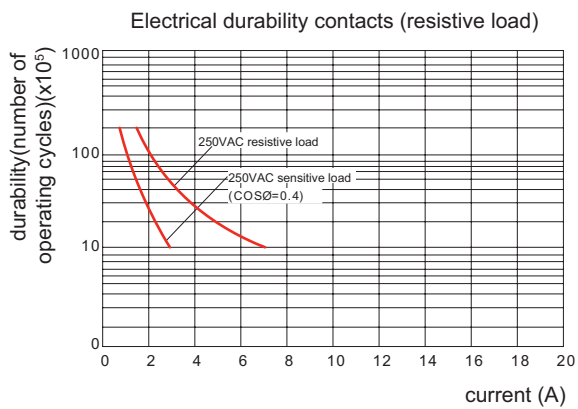
Coil Specifications (23°C)

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

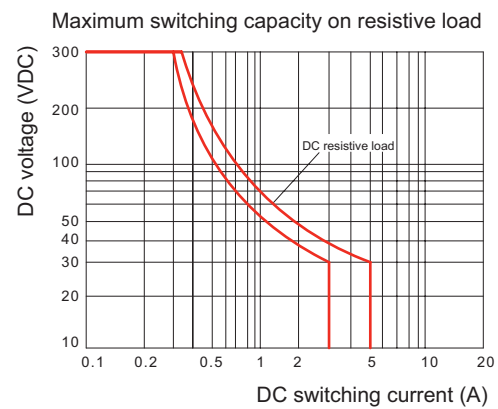
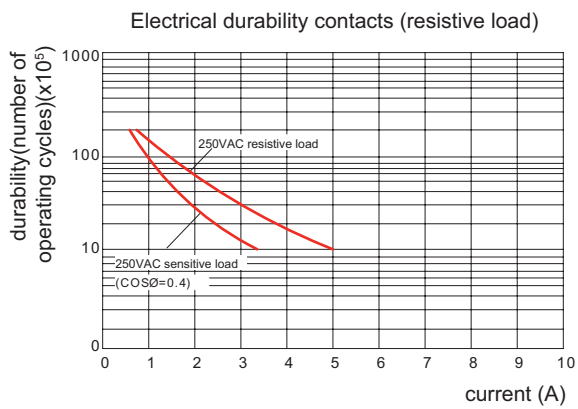
Remarks: Coil resistances under coil voltage 110V are measured with tolerances of 10%; above coil voltage 110V are measured with tolerances of 15%.

Contact Specification

RKE2CO

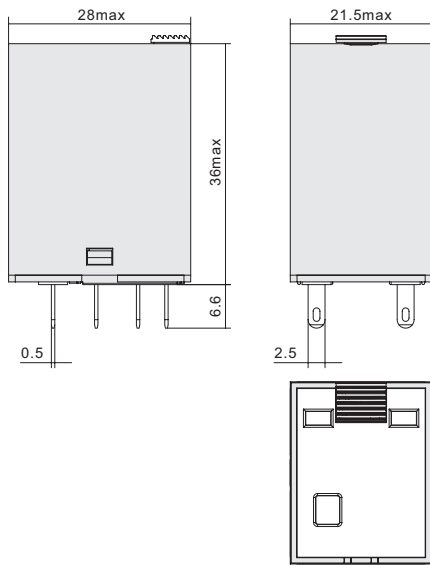


RKE4CO

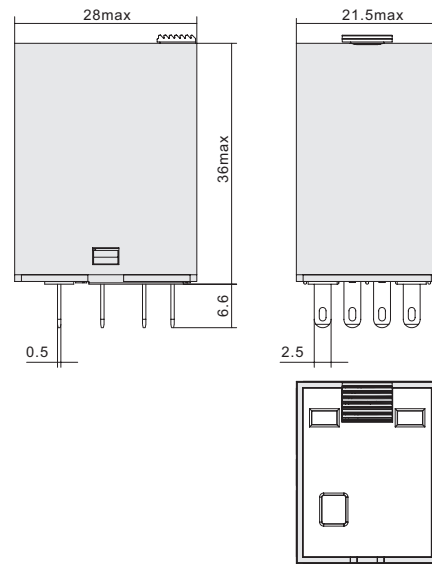


Dimensions (mm)

RKE2CO

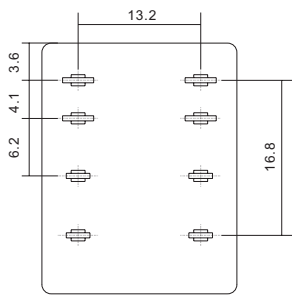


RKE4CO

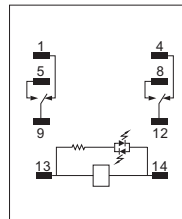


Wiring Diagrams

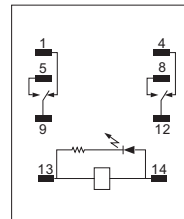
RKE2CO



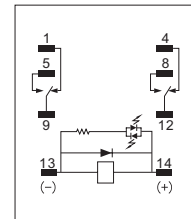
DC



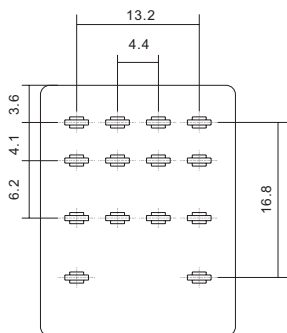
AC



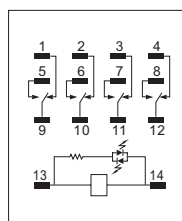
DC-D



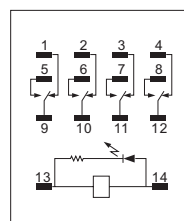
RKE4CO



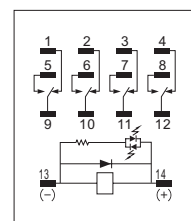
DC



AC

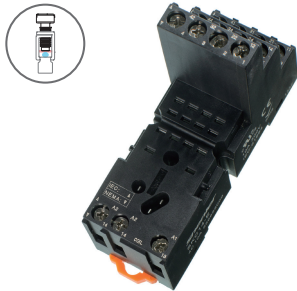


DC-D



>>> SKC□□-E

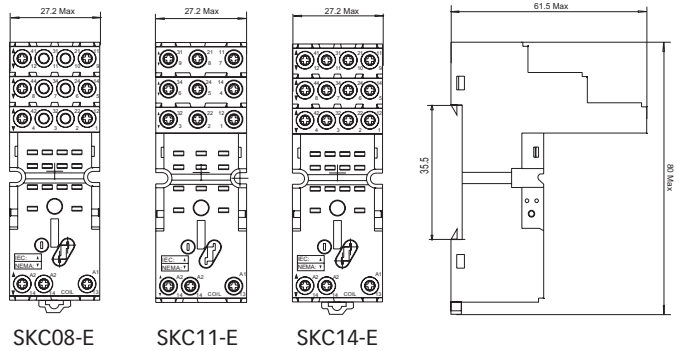
Presentation



10/12 AMPS 300 VOLTS



Dimensions (mm)



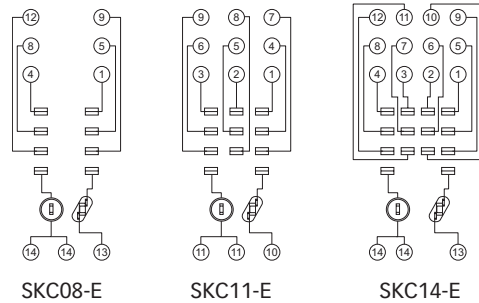
Characteristics

Type			SKC08-E	SKC11-E	SKC14-E
Nominal load	Current	A	12	10	10
	Voltage	V	300		
Dielectric strength	Between coil and contact	V/S	4000		
	Between contacts	V/S	2500		
Max. tightening torque	Nm	1.0			
Wire size	AWG/mm ²	20-14/0.5-2.5			
Ambient temperature	°C	-40~+85			
Unit weight	g		50	56	62

Relay accessories selection table

Socket	Plastic clip	Metal clip	ID tag	Module	DIN rail
SKC08-E					
SKC11-E	SK36F	SK36M	SK4P	AMD	PFP
SKC14-E					

Connection Diagrams



NEW! Now available with push in terminal base



