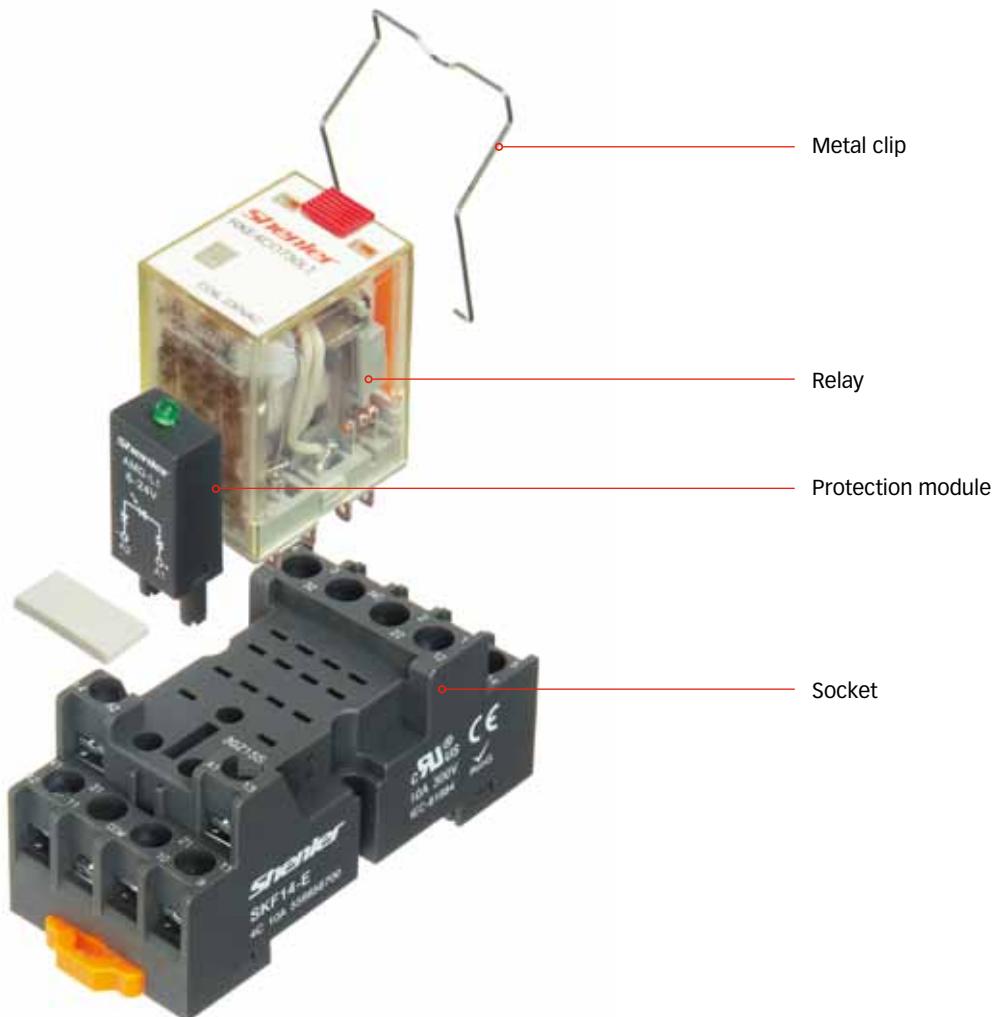


>>> RKE Miniature General Purpose Relay



>>> Sockets selection table

SYF□□A-E	SKB□□-E	SKC□□-E	SKC□□-S	SYF□□A	SKF14-A	SY□□-P

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



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	7A/250VAC 30VDC Motor load	5A/250VAC 30VDC
	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

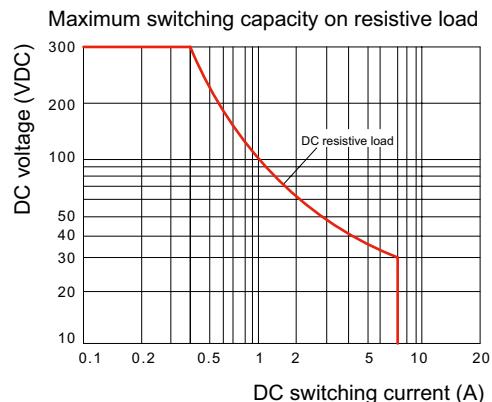
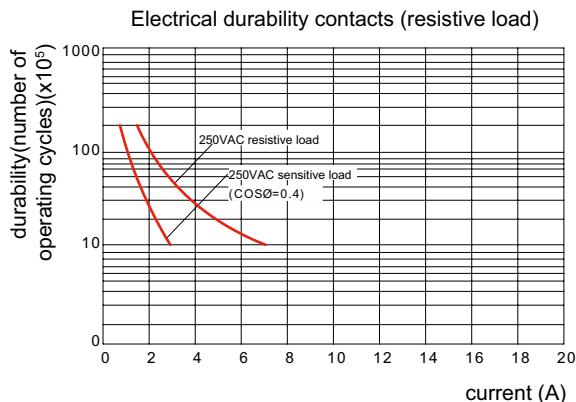
Coil Specifications (23°C)

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

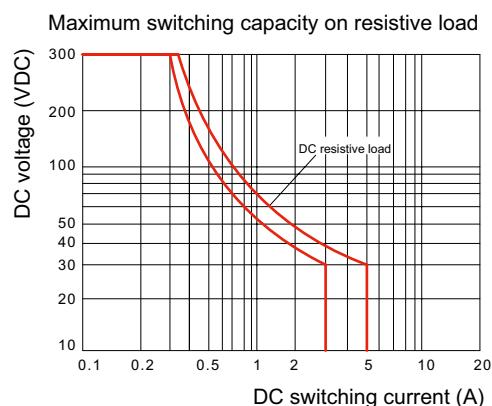
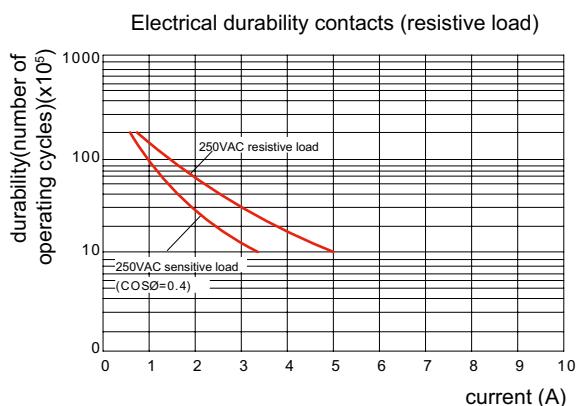
Remarks: Coil resistances under coil voltage 110V are measured with tolerances of 10%; above coil voltage 110V are measured with tolerances of 15%.

Contact Specification

RKE2CO

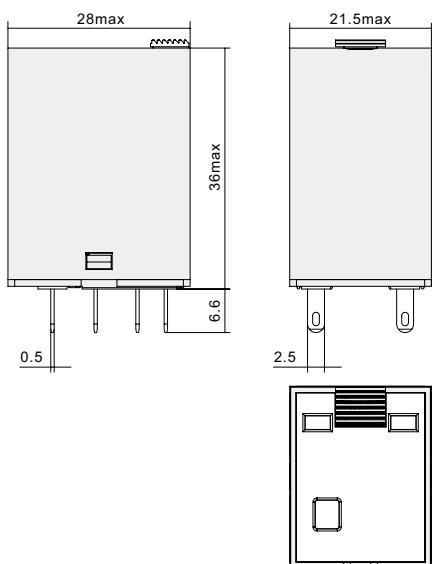


RKE4CO

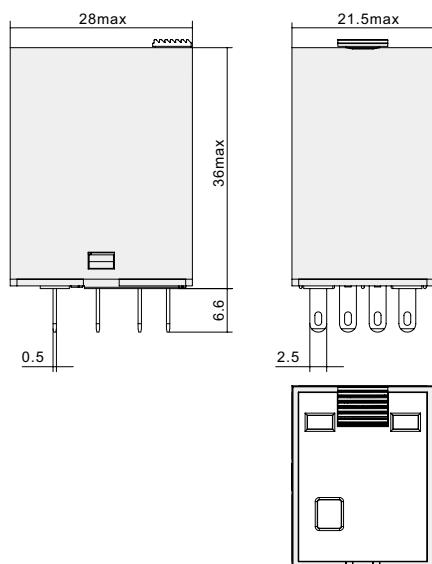


Dimensions (mm)

RKE2CO

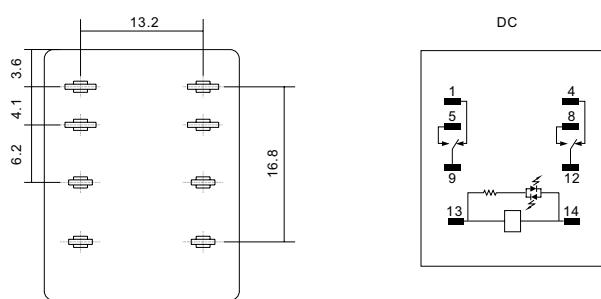


RKE4CO



Wiring Diagrams

RKE2CO

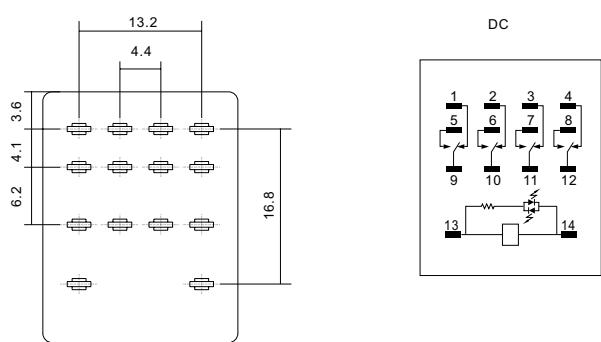


DC

AC

DC-D

RKE4CO



DC

AC

DC-D

>>> RKE-LS Sealed Power Relay

Humidity proof
Oil proof
Dust proof



Features

- > Good performance in bad working condition, especially in much oil, dust, humidity places
- > 2 pole 7A; 4 pole 5A
- > With non-polarity LED integrated in relay
- > Conformity with RoHS Directive
- > IP62

Ordering Information

RKE

Contact form	<input type="text"/>
2C (C: change over)	<input type="checkbox"/>
4C (C: change over)	<input type="checkbox"/>
Mount options	<input type="text"/>
O: Plug in	<input type="checkbox"/>
Coil voltage	<input type="text"/>
006~220: 6~220VDC	<input type="checkbox"/>
506~880: 6~380VAC	<input type="checkbox"/>
Options	<input type="text"/>
LS: LED + Sealed	<input type="checkbox"/>
LSA: LED + Sealed + Signal Control	<input type="checkbox"/>

Characteristics

Configurationn		2C	4C
Rated current/ rated voltage	Resistive load Motor load	7A/250VAC 30VDC 1/6HP 240VAC	5A/250VAC 30VDC
Switching power (Resistive)		1750VA, 210W	1250VA 150W
Initial contact resistance		$\leq 50m\Omega$	
Material		Ag alloy	
Electrical durability		$\geq 10^5$ times (1800 Ops/h)	
Mechanical durability		$\geq 10^7$ times (18000 Ops/h)	
Pick-up voltage (23°C)		DC: $\leq 75\%$ (Rated voltage), AC: $\leq 80\%$ (Rated voltage)	
Drop-out voltage (23°C)		DC: $\geq 10\%$ (Rated voltage), AC: $\geq 30\%$ (Rated voltage)	
Max. voltage (23°C)		110% (Rated voltage)	
Insulation resistance		$\geq 500M\Omega$ (500VDC)	
Coil operating power	DC(W) AC(VA)	approx. 0.9 approx. 1.2	
Operation time (rated voltage)		≤ 20 ms	
Release time (rated voltage)		≤ 20 ms	
Initial breakdown voltage	Between open contacts Between poles Between contacts and Coil	1000VAC/1min 2000VAC/1min 2000VAC/1min	
Ambient temperature		-55~+70°C	
Shock resistance		10G	
Vibration resistance		10~55Hz double-amplitude:1.0mm	
Mounting		Plug in	
Unit weight		35g	

Coil Specifications (23°C)

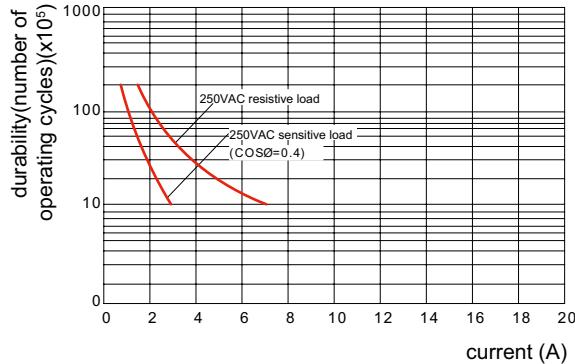
Voltage code	006	009	012	024	036	048	110	220		
Nominal voltage V.DC	6	9	12	24	36	48	110	220		
Coil resistance Ω	40	90	160	630	1500	2600	11000	42000		
Voltage code	506	512	524	536	548	615	720	730	740	880
Nominal voltage V.AC	6	12	24	36	48	115	220	230	240	380
Coil resistance Ω	11.5	40	160	370	600	4430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

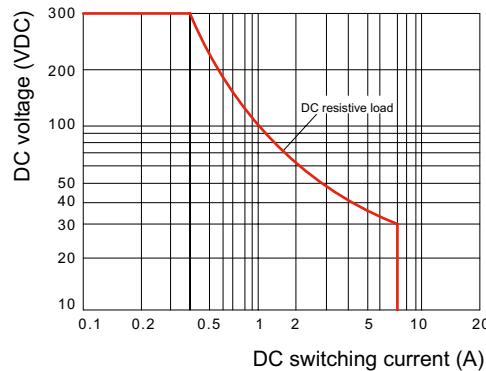
Contact Specification

RKE2CO-LS

Electrical durability contacts (resistive load)

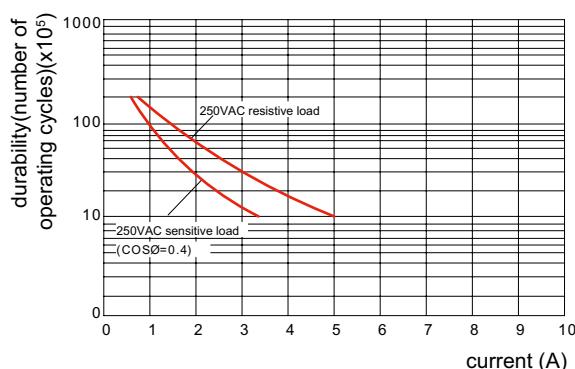


Maximum switching capacity on resistive load

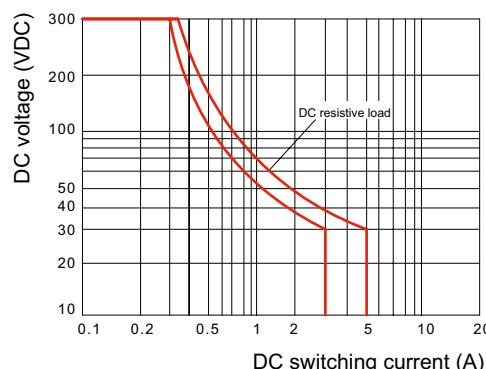


RKE4CO-LS

Electrical durability contacts (resistive load)

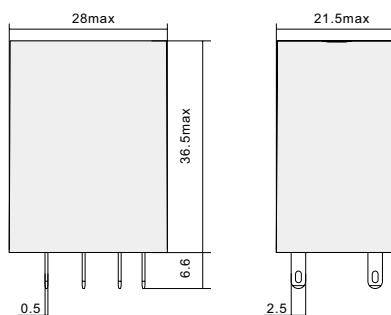


Maximum switching capacity on resistive load

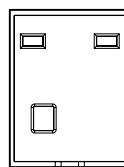
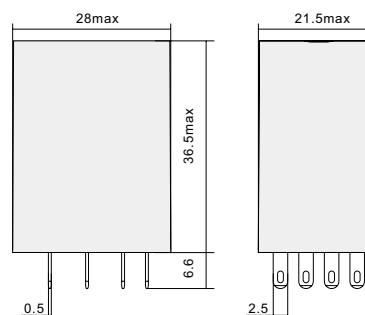


Dimensions (mm)

RKE2CO-LS



RKE4CO-LS



>>> RKE Miniature General Purpose Relay

RKE Socket

>>> SYF□□A-E

Presentation



7/10 AMPS 300 VOLTS



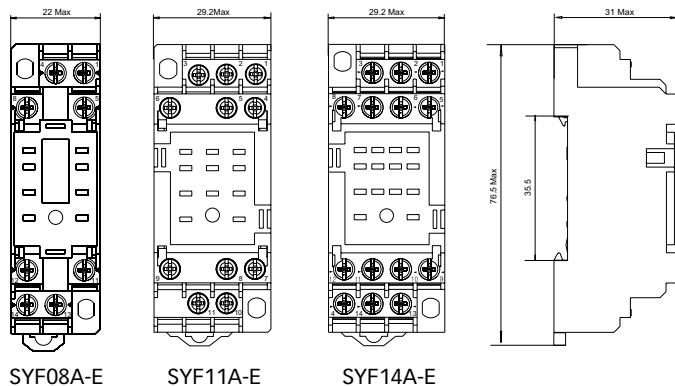
Characteristics

Type		SYF08A-E	SYF11A-E	SYF14A-E
Nominal load	Current	A	10	7
Voltage	V		300	
Dielectric strength	V/S		2000	
Max. tightening torque	Nm		1.0	
Wire size	AWG/mm ²	20-14/0.5-2.5		
Ambient temperature	°C		-40~+65	
Unit weight	g	37	56	57

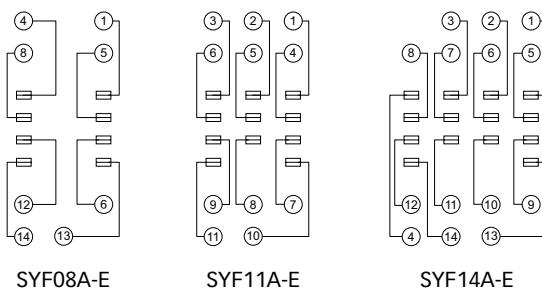
Relay accessories selection table

Socket	Plastic clip	Metal clip	ID tag	Module	DIN rail
SYF08A-E					PFP
SYF11A-E	-	SY36S	-	-	
SYF14A-E					

Dimensions (mm)



Connection Diagrams



>>> SKF□□-E

Presentation



10/12 AMPS 300 VOLTS



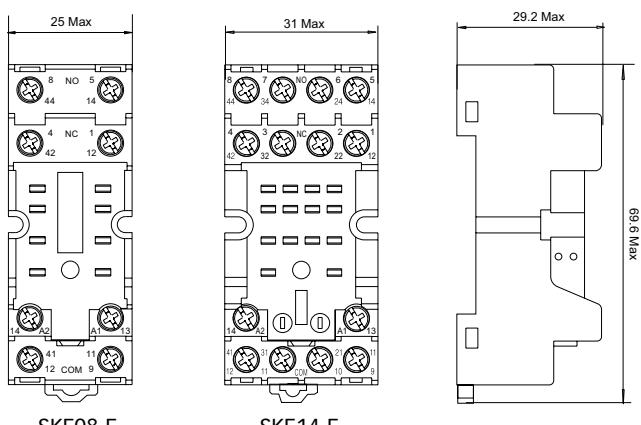
Characteristics

Type		SKF08-E	SKF14-E
Nominal load	Current	A	12
Voltage	V		300
Dielectric strength	V/S		2500
Max. tightening torque	Nm		1
Wire size	AWG/mm ²	20-14/0.5-2.5	
Ambient temperature	°C		-40~+85
Unit weight	g	35	45

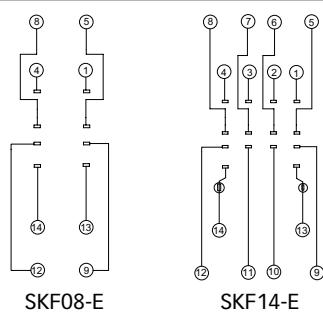
Relay accessories selection table

Socket	Plastic clip	Metal clip	ID tag	Module	DIN rail
SKF08-E	-	SK36M	SK2P	-	PFP
SKF14-E				AMD	

Dimensions (mm)



Connection Diagrams



RKE Socket

>>> SKB□□-E

Presentation



10/12 AMPS 300 VOLTS



Characteristics

Type	SKB08-E	SKB14-E
Nominal current load	12 A	10 A
Voltage	300 V	
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

Relay,accessories selection table

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

>>> SKC□□-E

Presentation



10/12 AMPS 300 VOLTS



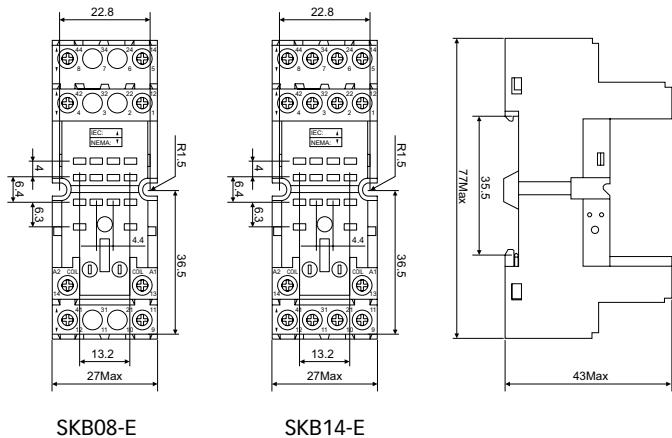
Characteristics

Type	SKC08-E	SKC11-E	SKC14-E
Nominal current load	12 A	10 A	10 A
Voltage	300 V		
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

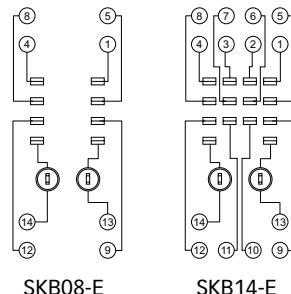
Relay,accessories selection table

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

Dimensions (mm)

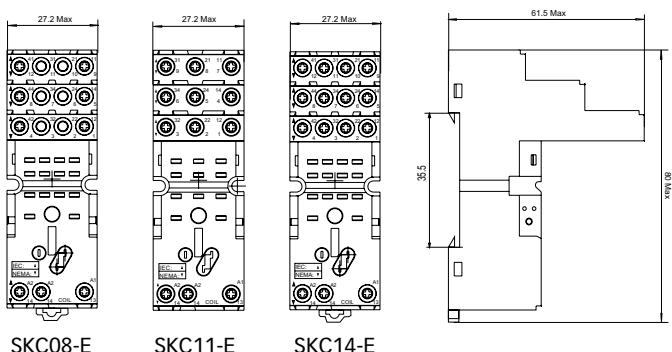


Connection Diagrams

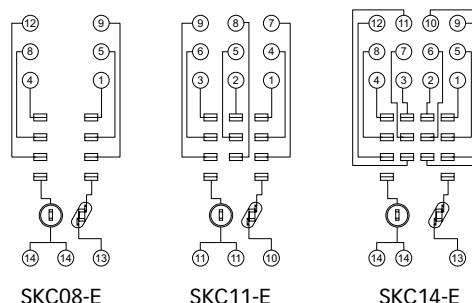


SKB08-E SKB14-E

Dimensions (mm)



Connection Diagrams



>>> RKE Miniature General Purpose Relay

RKE Socket

>>> SKC14-S

Presentation



2C 12A; 4C 8A



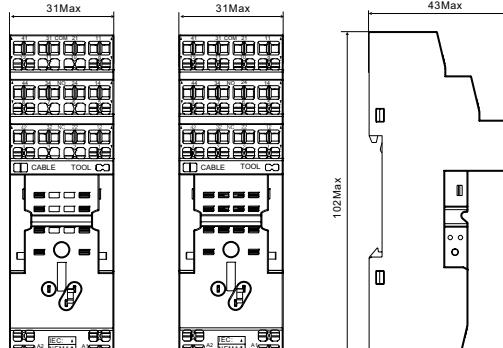
Characteristics

Nominal load	Current	A	2C 12A; 4C 8A
	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	20-16/0.5-1.5
Ambient temperature		°C	-40~+85
Unit weight		g	70

Relay,accessories selection table

Socket	Plastic clip	ID tag	Module	DIN rail
SKC14-S	SK36F	SR2P	AMD	DIN

Dimensions (mm)



>>> SYF□□A

Presentation



7/10 AMPS 300 VOLTS



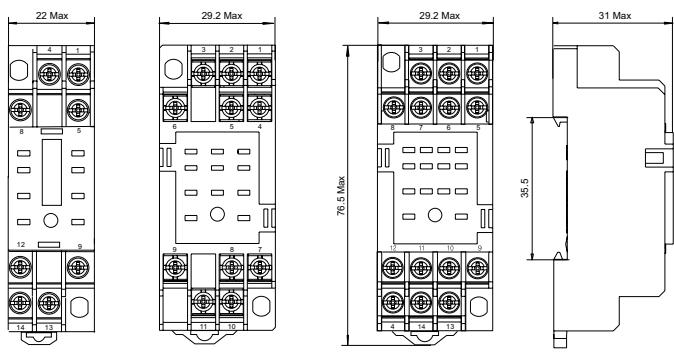
Characteristics

Type		SYF08A	SYF11A	SYF14A
Nominal load	Current	A	10	7
	Voltage	V	300	300
Dielectric strength	V/S	2000	2000	2000
Max. tightening torque	Nm	1.0	1.0	1.0
Wire size	AWG/mm ²	20-14/0.5-2.5	20-14/0.5-2.5	20-14/0.5-2.5
Ambient temperature	°C	-40~+65	-40~+65	-40~+65
Unit weight	g	34	47	56

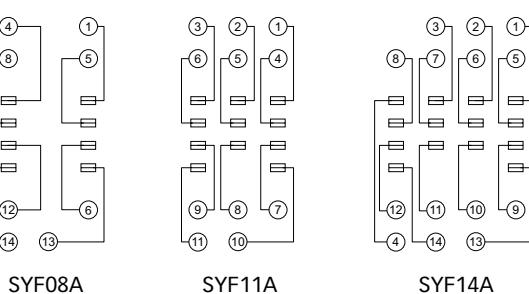
Relay,accessories selection table

Socket	Plastic clip	Metal clip	ID tag	Module	DIN rail
SYF08A	-				
SYF11A	-	SY36S	-	-	PFP
SYF14A					

Dimensions (mm)



Connection Diagrams



RKE Socket

>> SKF14-A

Presentation



10 AMPS 300 VOLTS



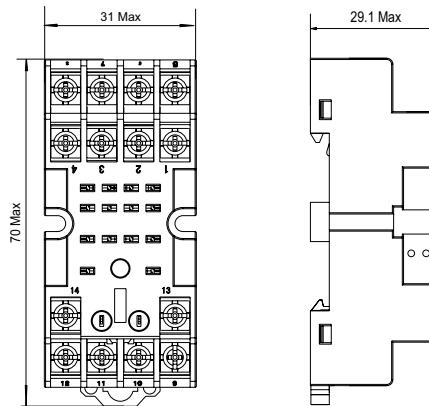
Characteristics

Nominal load	Current	A	10
	Voltage	V	300
Dielectric strength	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		42.9

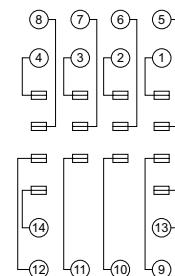
Relay,accessories selection table

Socket	Plastic clip	Metal clip	ID tag	Module	DIN rail
SKF14-A	-	SK36M	SK2P	AMD	PFP

Dimensions (mm)



Connection Diagrams



>> SY□□-P

Presentation



10/12 AMPS 300 VOLTS



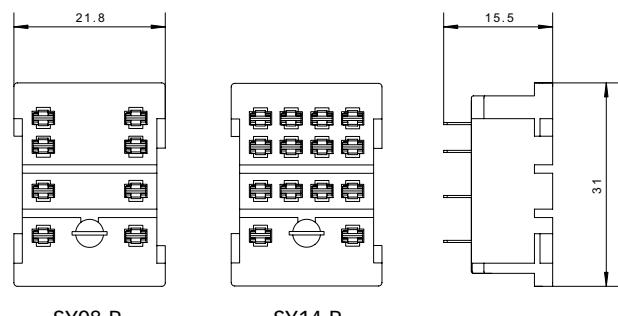
Characteristics

Type		SY08-P	SY14-P
Nominal load	Current	A	12
	Voltage	V	300
Dielectric strength	V/S		2000
Ambient temperature	°C		-40~+85
Unit weight	g	7	7

Relay,accessories selection table

Socket	Plastic clip	Metal clip	ID tag	Module	DIN rail
SY08-P	-	SK36M	-	-	-
SY14-P	-	-	-	-	-

Dimensions (mm)



Connection Diagrams

