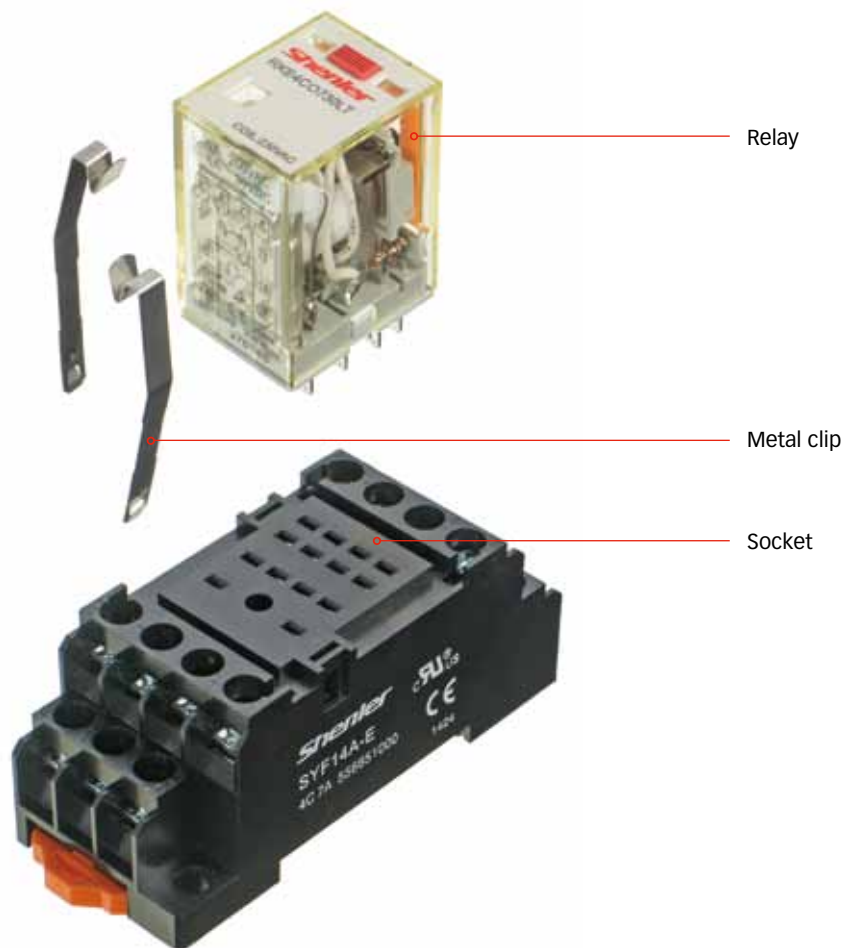








## >>> RKE Miniature General Purpose Relay



### >>> Socket selection table

					
SKF14-E	SKB14-E	SKC14-E	SYF14-A	SKF14-A	SY14-P



RKE2CO



RKE4CO



### Feature

- > 2 pole 7A; 4 pole 5A
- > Double side LED integrated in relay
- > Test button and inspection window
- > Identification of coils through test button color (AC red/DC blue)
- > Conformity with RoHs directive

### Ordering information

RKE

**Contact configuration** \_\_\_\_\_  
2, 4 (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  
LS: sealed type with LED (especially for much dust and high humidity enviroment)  
A: for signal control (selection plus A, namely LTA, LTDA, LSA)

### Characteristics

		2C	4C	
Contact	Configuration	2C	4C	
	Rated current/ rated voltage	AC-1	7A/250VAC 30VDC	5A/250VAC 30VDC
		AC-15	1/3HP, 120VAC, 1/2HP, 240VAC	1/3HP, 240VAC 1/6HP,240VAC
	Switching capacity (resistive)	2500VA, 300W	1250VA 150W	
	Initial contact resistance	≤50mΩ		
	Material	Ag alloy		
	Electrical durability	≥10 <sup>5</sup> times (1800 Ops/h)		
Mechanical durability	≥10 <sup>7</sup> 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)	0.9		
	AC(VA)	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	1500VAC/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			

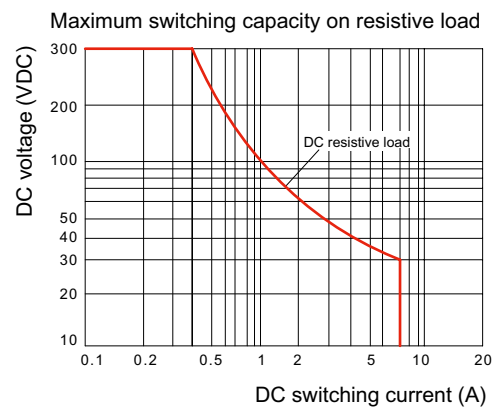
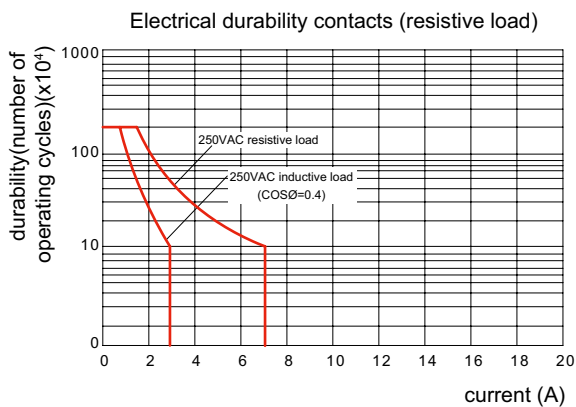
# >>> RKE Miniature General Purpose Relay

## Coil Specifications (23°C)

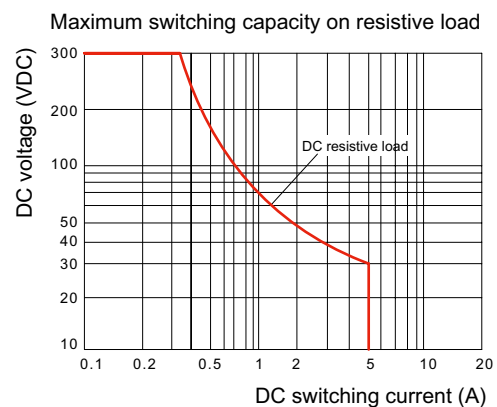
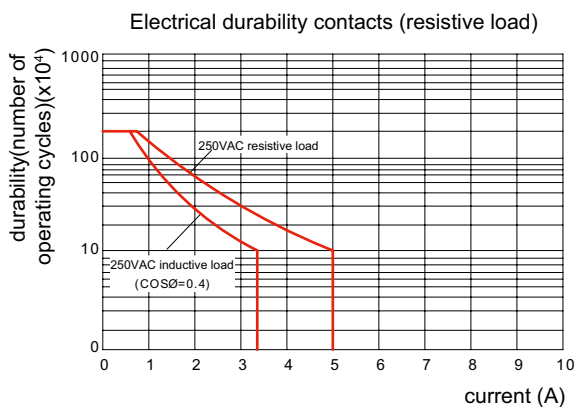
Voltage Code	006	009	012	024	036	048	110	220		
Nominal Voltage V.DC	6	9	12	24	36	48	110	220		
Coil resistance $\Omega$ ( $\pm 10\%$ )	40	90	180	640	1500	2600	13000	42000		
Voltage Code	506	512	524	536	548	615	720	730	740	880
Nominal Voltage V.AC	6	12	24	36	48	115	220	230	240	380
Coil resistance $\Omega$ ( $\pm 10\%$ )	11.5	40	180	370	640	4430	13000	16500	18790	42000

## Contact specification

### RKE2CO

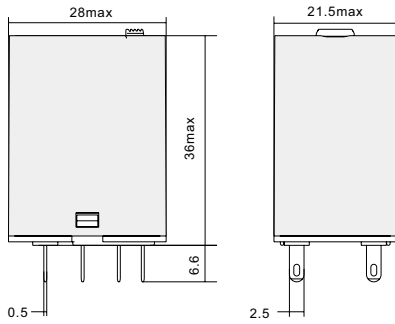


### RKE4CO

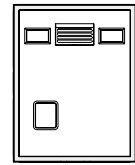
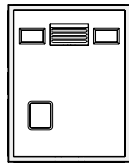
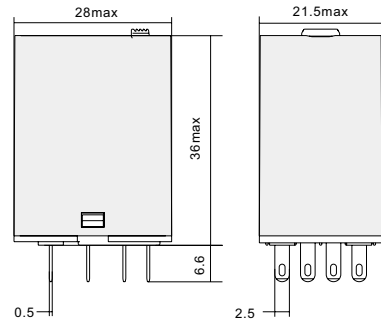


**Dimensions (mm)**

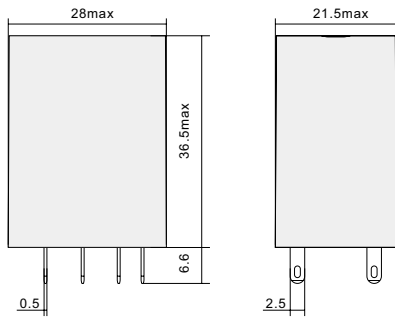
**RKE2CO**



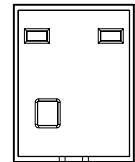
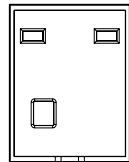
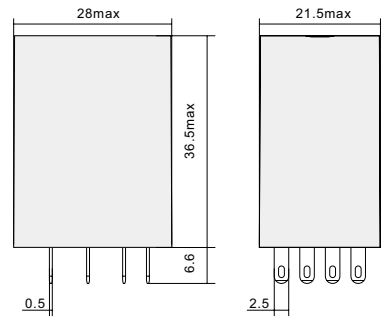
**RKE4CO**



**RKE2CO-LS**

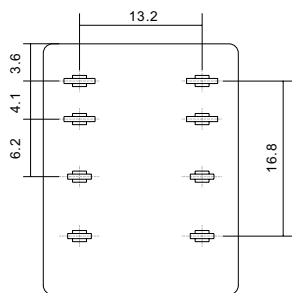


**RKE4CO-LS**

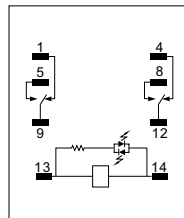


**Schemes**

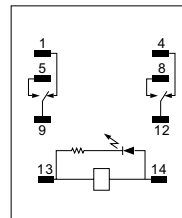
**RKE2CO**



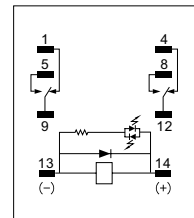
**DC**



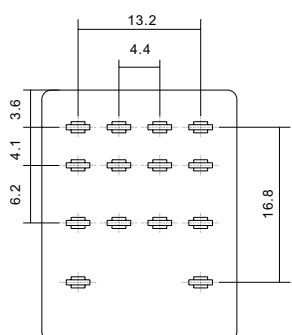
**AC**



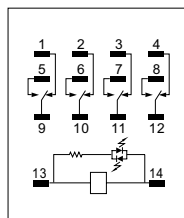
**DC-D**



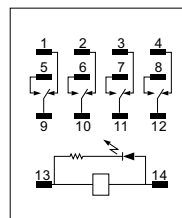
**RKE4CO**



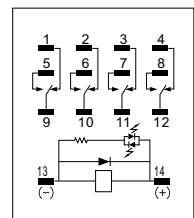
**DC**



**AC**



**DC-D**



# >>> RKE Miniature General Purpose Relay

## RKE Socket

### >>> SYF□□A-E

#### Presentation



7/10 AMPS 300 VOLTS



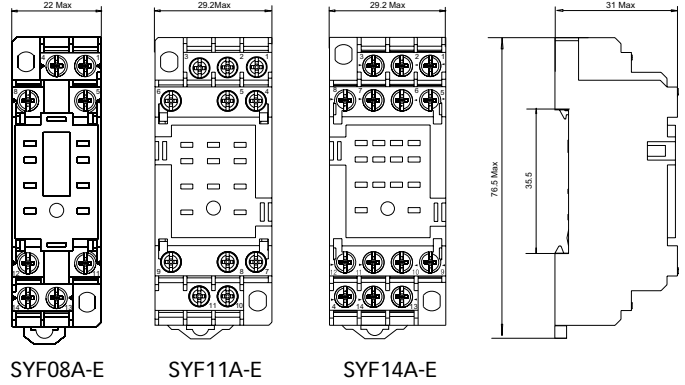
#### Characteristic

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

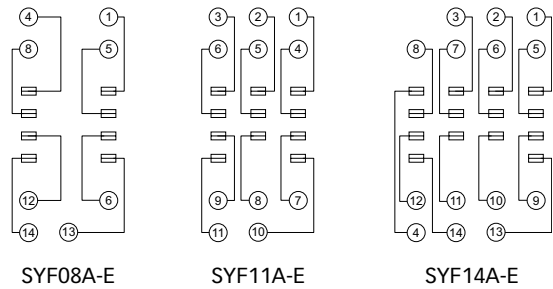
#### Relay, accessories selection table

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

#### Dimensions (mm)



#### Connection Diagrams



### >>> SKF□□-E

#### Presentation



10/12 AMPS 300 VOLTS



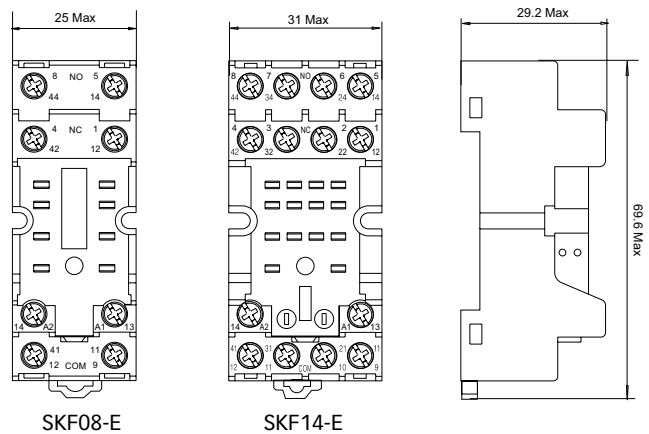
#### Characteristic

Type			SKF08-E	SKF14-E
Nominal Load	Current	A	12	10
	Voltage	V	300	
Dielectric strength	V/S		2500	
Max. tightening torque	Nm		1	
Wire size	AWG/mm <sup>2</sup>		20-14/0.5-2.5	
Ambient temperature	°C		-40~+85	
Unit weight	g		35	45

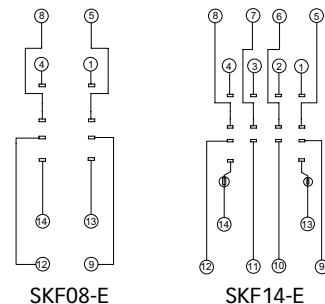
#### Relay, accessories selection table

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**



**Characteristic**

Type			SKB08-E	SKB14-E
Nominal Load	Current	A	12	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 <sup>2</sup>	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**



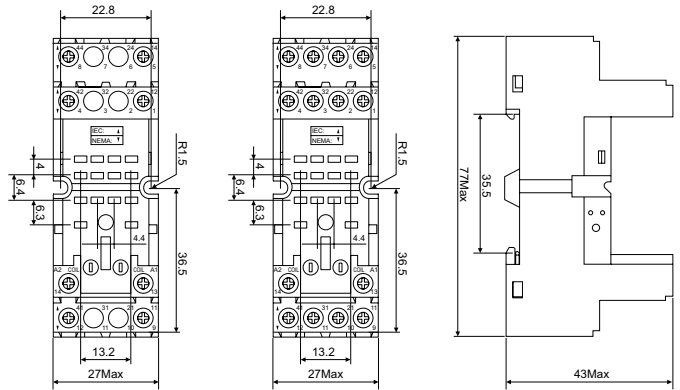
**Characteristic**

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 <sup>2</sup>	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					

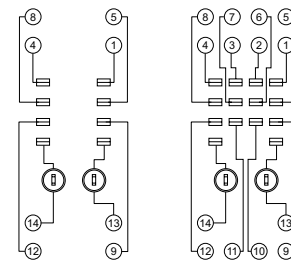
**Dimensions (mm)**



SKB08-E

SKB14-E

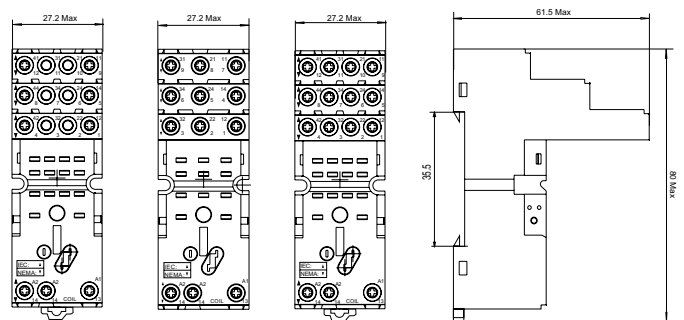
**Connection Diagrams**



SKB08-E

SKB14-E

**Dimensions (mm)**

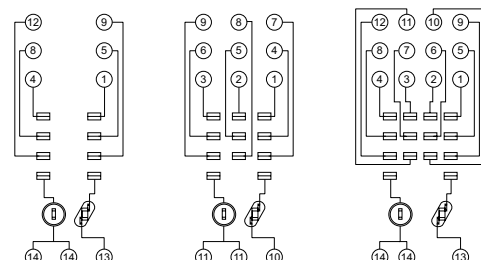


SKC08-E

SKC11-E

SKC14-E

**Connection Diagrams**



SKC08-E

SKC11-E

SKC14-E

# >>> RKE Miniature General Purpose Relay

## RKE Socket

### >>> SKC08-ES

#### Presentation



12 AMPS 300 VOLTS



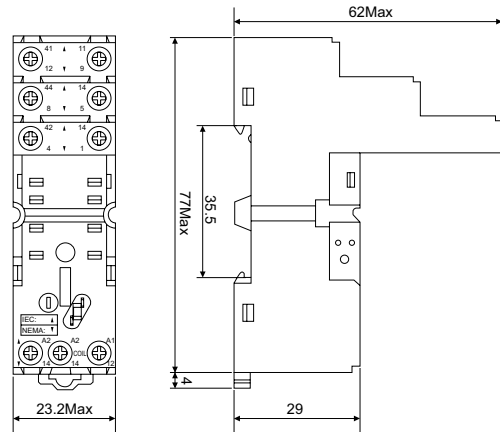
#### Characteristic

Nominal Load	Current	A	12
	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 <sup>2</sup>	20-14/0.5-2.5	
Ambient temperature	°C	-40~+85	
Unit weight	g	44	

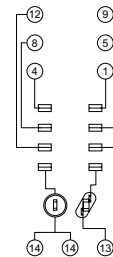
#### Relay, accessories selection table

Socket	Plastic clip	Metal clip	ID tag	Module	DIN rail
SKC08-ES	SK36N	-	SK4P	AMD	PFP

#### Dimensions (mm)



#### Connection Diagrams



### >>> SYF□□A

#### Presentation



7/10 AMPS 300 VOLTS



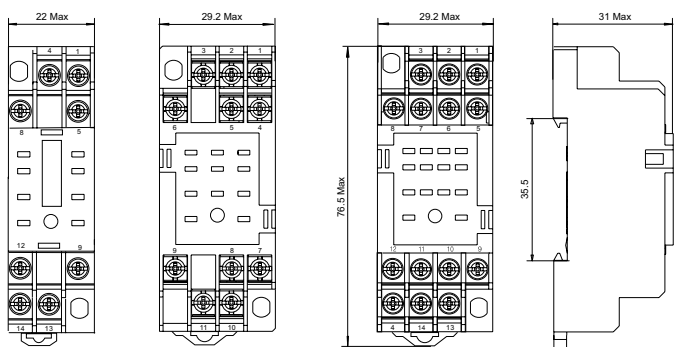
#### Characteristic

Type			SYF08A	SYF11A	SYF14A
Nominal Load	Current	A	10	7	7
	Voltage	V	300		
Dielectric strength	V/S		2000		
Max. tightening torque	Nm		1.0		
Wire size	AWG/mm <sup>2</sup>		20-14/0.5-2.5		
Ambient temperature	°C		-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)

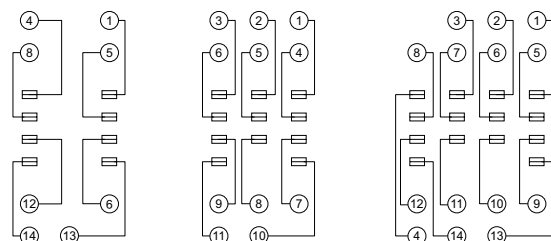


SYF08A

SYF11A

SYF14A

#### Connection Diagrams



SYF08A

SYF11A

SYF14A

**RKE Socket**

**>>> SKF14-A**

**Presentation**



**10 AMPS 300 VOLTS**



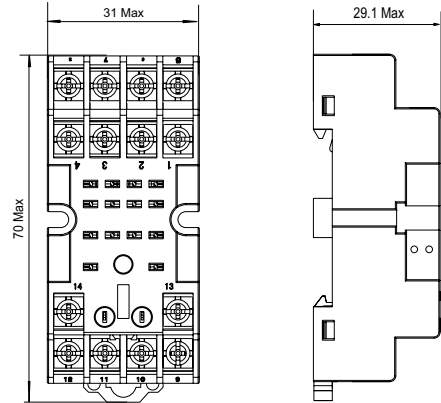
**Characteristic**

Nominal Load	Current	A	10
	Voltage	V	300
Dielectric strength	V/S		2500
Max. tightening torque	Nm		1.0
Wire size	AWG/mm <sup>2</sup>		20-14/0.5-2.5
Ambient temperature	°C		-40~+85
Unit weight	g		42.9

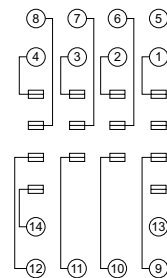
**Relay,accessories selection table**

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**



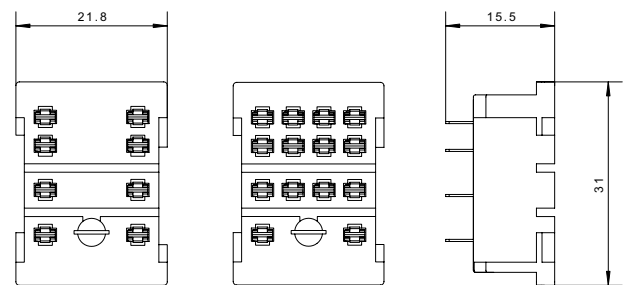
**Characteristic**

Type			SY08-P	SY14-P
Nominal Load	Current	A	12	10
	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	-	SK36M	-	-	-

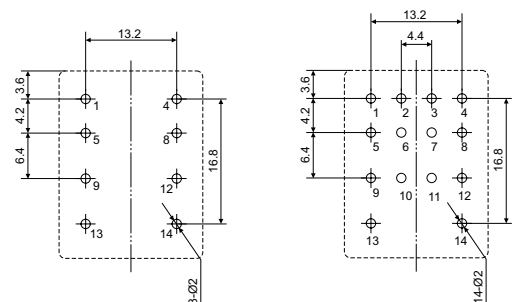
**Dimensions (mm)**



SY08-P

SY14-P

**Connection Diagrams**



SY08-P

SY14-P