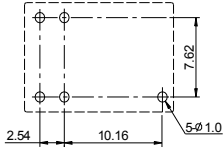
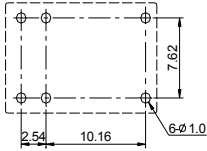
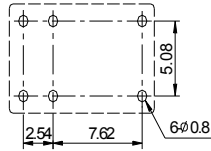
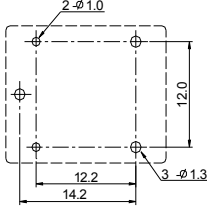


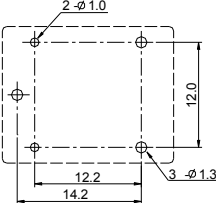
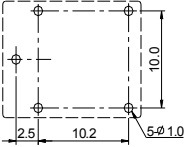
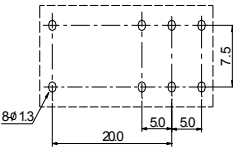
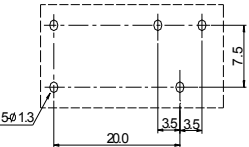
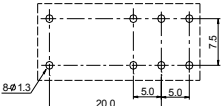
Relay Selection Chart

SHORI

Type		S1	S2	S2M	S3
Photo					
Outline(L x W x H)mm No including terminals		15.7x10.7x11.3	15.7x10.7x11.3	12.4x7.4x9.9	19.6x15.6x15.0
Contact configuration		1C	1C	1C	1C、1A、1B
Max. Allowable Contact current (A)	200	3A	3A	2A	15A
	150				
	100				
	70				
	40				
	30				
	10				
	5				
Contact rating Resistive load		1A 120VAC 2A 24VDC	1A 120VAC 2A 24VDC	1A 120VAC 2A 24VDC	5A 240VAC 15A 24VDC 15A 120VAC
Coil voltage	DC	3~24V	3~24V	3~24V	3~48V
	AC	-----	-----	-----	-----
Power Consumption	DC	0.2W、0.45W	0.2W、0.36W	0.15W、0.2W、0.36W	0.24W、0.36W
	AC	-----	-----	-----	-----
Life expectancy	Mechanical(Min.)	1 x 10 ⁷	1 x 10 ⁷	1 x 10 ⁷	1 x 10 ⁷
	Electrical(Min.)	1 x 10 ⁵	1 x 10 ⁵	1 x 10 ⁵	1 x 10 ⁵
Dielectric strength	Open contact	500VAC	500VAC	400VAC	750VAC
	Contact and coil	1000VAC	1000VAC	1000VAC	1500VAC
	Contact circuits	-----	-----	-----	-----
Terminal layout Bottom view (PCB Layout)					
Terminal type					
Safety approval		UL. CUL	UL. CUL	-----	UL. CUL. TUV
Page no.		P12-15	P16-19	P20-23	P24-27

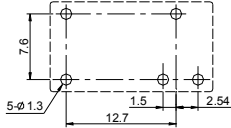
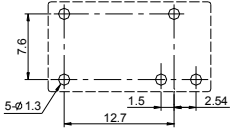
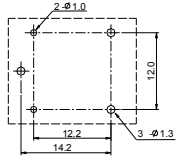
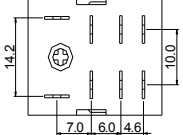
Relay Selection Chart

SHORI

S3H	S3M	S4M	S4H	S4E
				
19.6x15.6x15.0	15.7x12.0x13.0	29.0x12.5x20.3	29.0x12.5x20.3	29.0x12.5x20.3
1 C、1A、1B	1C、1A	2C、2A	1C、1A	1C、1A
15A	20A	5A	10A	16A
7A 277VAC 7A 30VDC 15A 125VAC 10A 277VAC	20A 14VDC	5A 250VAC 5A 30VDC	10A 250VAC 10A 30VDC	16A 250VAC 16A 30VDC
3~48V	3~24V	3~48V	3~48V	3~48V
-----	-----	-----	-----	-----
0.24W、0.36W	0.6W、0.8W	0.54W、0.72W	0.54W、0.72W	0.54W、0.72W
-----	-----	-----	-----	-----
1 x10 ⁷	1 x10 ⁷	1 x10 ⁷	1 x10 ⁷	1 x10 ⁷
1 x10 ⁵	1 x10 ⁵	1 x10 ⁵	1 x10 ⁵	1 x10 ⁵
750VAC	500VAC	1000VAC	1000VAC	1000VAC
1500VAC	500VAC	5000VAC	5000VAC	5000VAC
-----	-----	-----	-----	-----
				
				
UL. CUL. TUV	-----	UL. TUV	UL. TUV	UL. TUV
P28-31	P32-34	P35-37	P38-4-	P41-43

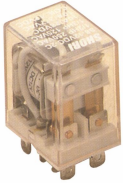
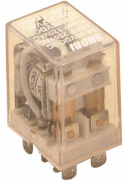
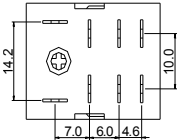
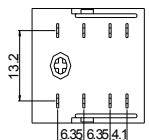
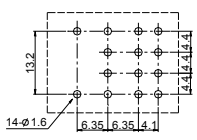
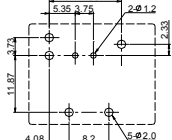
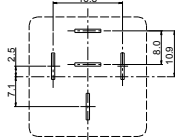
Relay Selection Chart

SHORI

Type		S5	S5H	S7	S8L(1P)
Photo					
Outline(L x W x H)mm No including terminals		18.8x10.4x15.6	18.8x10.4x15.6	20.2x16.5x20.0	27.2x21.5x35.2
Contact configuration		1A	1C、1A、1B	1C、1A、1B	1C、1A
Max. Allowable Contact current (A)	200	10A	10A	15A	15A
	150				
	100				
	70				
	40				
	30				
	10				
	5				
Contact rating Resistive load		5A 250VAC 5A 30VDC	5A 250VAC 5A 30VDC 10A 125VAC TV-5 125VAC	10A 240VAC 10A 24VDC 15A 125VAC TV-8 125VAC	15A 277VAC 15A 30VDC
Coil voltage	DC	3~24V	3~48V	3~48V	6~120V
	AC	-----	-----	-----	12~240V
Power Consumption	DC	0.2W	0.2W、0.45W	0.36W	0.9W
	AC	-----	-----	-----	1.2VA
Life expectancy Mechanical(Min.) Electrical(Min.)		1 x 10 ⁷	1 x 10 ⁷	1 x 10 ⁷	1 x 10 ⁷
		1 x 10 ⁵	1 x 10 ⁵	1 x 10 ⁵	1 x 10 ⁵
Dielectric strength Open contact Contact and coil Contact circuits		1000VAC	1000VAC	1000VAC	1000VAC
		2500VAC	2500VAC	2500VAC	1500VAC
		-----	-----	-----	-----
Terminal layout Bottom view (PCB Layout)					
Terminal type					
Safety approval		UL, TUV	UL, CUL, TUV	UL, CUL, TUV	-----
Page no.		P44-46	P47-50	P51-54	P55-58

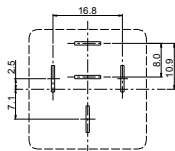
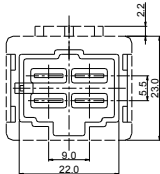
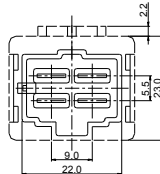
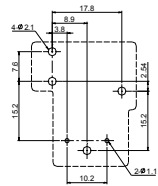
Relay Selection Chart

SHORI

S8L(2P)	S8M(2P)	S8M(4P)	S9	S10
				
27.2x21.5x35.2	27.2x21.5x35.2	27.2x21.5x35.2	26.6x21.4x21.5	28.6x28.6x25.3
2C、2A	2C、2A	4C、4A	1C、1A	1C、1A、1B、2A、2AU
				
10A 277VAC 10A 30VDC	5A 277VAC 5A 30VDC	5A 277VAC 5A 30VDC	40A 14VAC 70A 14VDC	30A 12VDC 40A 12VDC
6~120V	6~120V	6~120V	5~36V	12~36V
12~240V	12~240V	12~240V	-----	-----
0.9W	0.9W	0.9W	1.6W	1.8W
1.2VA	1.2VA	1.2VA	-----	-----
1 x 10 ⁷	1 x 10 ⁷	1 x 10 ⁷	1 x 10 ⁷	1 x 10 ⁷
1 x 10 ⁵	1 x 10 ⁵	1 x 10 ⁵	1 x 10 ⁵	1 x 10 ⁵
1000VAC	1000VAC	1000VAC	500VAC	500VAC
1500VAC	1500VAC	1500VAC	500VAC	500VAC
-----	-----	-----	-----	-----
				
				
-----	-----	-----	-----	-----
P55-58	P59-62	P59-62	P63-65	P66-68

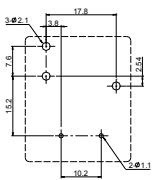
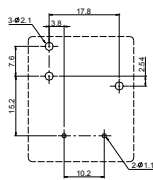
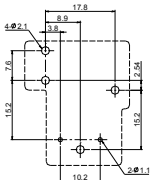
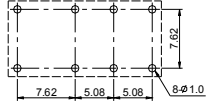
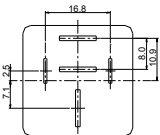
Relay Selection Chart

SHORI

Type		S10M	S11	S11M	S12-(P)
Photo					
Outline(L x W x H)mm No including terminals		26.8x31.9x19.5	29.0x12.5x20.3	32.0x27.1x20.6	26.8x31.9x19.5
Contact configuration		1C、1A、1B	1A、1B	1C、1A、1B	1C、1A、1B
Max. Allowable Contact current (A)	200	30A 	30A 	30A 	30A 
	150				
	100				
	70				
	40				
	30				
	10				
	5				
Contact rating Resistive load		30A 14VDC	30A 12VDC 15A 24VDC	30A 14VDC	1A:30A 277VAC/30VDC 1B:15A 277VAC/30VDC 1C: NO/20A 277VAC NC/10A 277VAC
Coil voltage	DC	12~24V	12~24V	5~110V	5~110V
	AC	-----	-----	-----	-----
Power Consumption	DC	1.6W	1.44W	1.5W	0.93W
	AC	-----	-----	-----	-----
Life expectancy Mechanical(Min.)		1 x10 ⁷	1 x10 ⁷	1 x10 ⁷	1 x10 ⁷
Electrical(Min.)		1 x10 ⁵	1 x10 ⁵	1 x10 ⁵	1 x10 ⁵
Dielectric strength Open contact		500VAC	500VAC	500VAC	1500VAC
Contact and coil		500VAC	500VAC	750VAC	1500VAC
Contact circuits		-----	-----	-----	-----
Terminal layout Bottom view (PCB Layout)					
Terminal type					
Safety approval					UL. CUL. TUV
Page no.		P69-71	P72-74	P75-77	P78-82

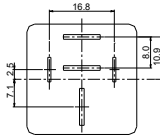
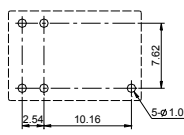
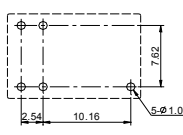
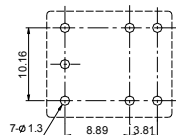
Relay Selection Chart

SHORI

S12-(F)	S12-(Q)	S12H	S13	S16
				
32x26.9x28.2	32.0x27.1x20.6	26.8x31.9x19.5	20.2x9.8x12.0	28.6x28.6x25.3
1C、1A、1B	1C、1A、1B	1C、1A、1B	2C	1C、1A、1B
30A 	30A 	40A 	2A 	80A 
1A: 30A 277VAC 1B: 15A 277VDC 1C: NO/20A 277VAC NC/10A 277VAC	1A: 30A 277VAC 1B: 15A 277VDC 1C: NO/20A 277VAC NC/10A 277VAC	1A:40A 277VAC/28VDC 1B:30A 277VAC/28VDC 1C: NO/40A 277VAC NC/30A 277VAC	1A 125VAC 2A 30VDC	1A: 80A 14VDC 1C: NO/50A 14VDC NC/40A 14VDC
5~110V	5~110V	5~110V	3~48V	6~48V
-----	-----	-----	-----	-----
0.93W	0.93W	0.93W	0.15、0.2W	1.8W
-----	-----	-----	-----	-----
1×10^7	1×10^7	1×10^7	1×10^6	1×10^7
1×10^5	1×10^5	1×10^5	1×10^5	1×10^5
1500VAC	1500VAC	1500VAC	750VAC	500VAC
1500VAC	1500VAC	1500VAC	1000VAC	500VAC
-----	-----	-----	-----	-----
				
				
-----	-----	UL. CUL. TUV	UL. CUL	
P78-82	P78-82	P83-87	P88-91	P92-94

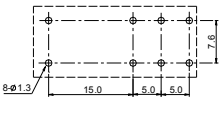
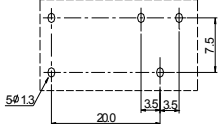
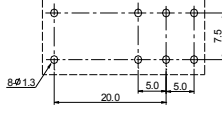
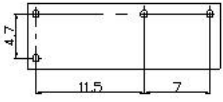
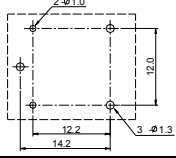
Relay Selection Chart

SHORI

Type		S16H	S17	S18	S19
Photo					
Outline(L x W x H)mm No including terminals		28.6x28.6x25.3	15.7x10.7x11.3	15.7x10.7x11.3	17.2x14.8x20.2
Contact configuration		1C、1A、1B	1C	1C	1A、1C、2A、2C
Max. Allowable Contact current (A)	200	150A 	3A 	3A 	10A 
	150				
	100				
	70				
	40				
	30				
	10				
	5				
Contact rating Resistive load		1A: 150A 14VDC 1C: NO/80A 14VDC NC/60A 14VDC	3A 120VAC 3A 24VDC	3A 120VAC 3A 24VDC	10A 120VAC 10A 30VDC
Coil voltage	DC	6~48V	3~24V	3~24V	5~24V
	AC	-----	-----	-----	-----
Power Consumption	DC	1.8W	0.2W、0.45W	0.2W、0.36W	0.93W
	AC	-----	-----	-----	-----
Life expectancy	Mechanical(Min.)	1×10^7	1×10^7	1×10^7	1×10^7
	Electrical(Min.)	1×10^5	1×10^5	1×10^5	1×10^5
Dielectric strength	Open contact	500VAC	500VAC	500VAC	500VAC
	Contact and coil	500VAC	500VAC	500VAC	500VAC
	Contact circuits	-----	-----	-----	-----
Terminal layout					
Bottom view (PCB Layout)					
Terminal type					
Safety approval		-----	-----	-----	-----
Page no.		P92-94	P95-98	P99-102	P103-105

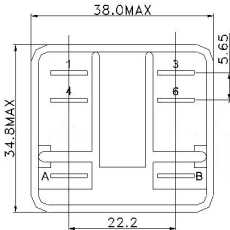
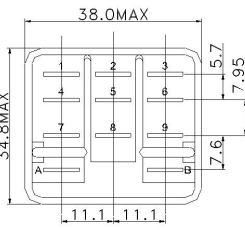
Relay Selection Chart

SHORI

S20M	S20H	S20E	S21	S22
				
29.0x12.7x15.7	29.0x12.7x15.7	29.0x12.7x15.7	20.5x7x15.3	20.2 x16.5 x20.0
2A、2B、2C	1A、1B、1C	1A、1B、1C	1A	1A、1B、1C
12A 	17A 	20A 	5A 	20A 
NO/NC: 12A 277VAC 10A 277VAC 10A/30VDC NO:TV-5/125VAC	NO/NC:17A 277VAC 12A 277VAC 10A 30VDC NO:TV-5/125VAC	NO/NC:20A 277VAC 16A 277VAC 12A/30VDC NO:TV-8/125VAC	5A 250VAC 3A 250VAC 5A 30VDC TV-3/125VAC	20A 277VAC 17A 24VAC 20A 125VDC TV-10/125VAC
3~48V	3~48V	3~48V	5~24V	3~48V
6~240V	6~240V	6~240V	-----	-----
0.25W、0.4W、0.54W	0.25W、0.4W、0.54W	0.25W、0.4W、0.54W	0.2W、0.36W	0.36W
0.75VA	0.75VA	0.75VA	-----	-----
3×10^7	3×10^7	3×10^7	5×10^6	1×10^7
1×10^5	1×10^5	1×10^5	1×10^5	1×10^5
1000VAC	1000VAC	1000VAC	750VAC	1000VAC
5000VAC	5000VAC	5000VAC	4000VAC	2500VAC
-----	-----	-----	-----	-----
				
				
UL, CUL, VDE	UL, CUL, VDE	UL, CUL, VDE	UL,CUL	UL,CUL,TUV
P106-112	P106-112	P106-112	P113-115	P116-118

Relay Selection Chart

SHORI

Type		S23	S25		
Photo					
Outline(L x W x H)mm No including terminals		38.0x34.8x47.5	38.0x34.8x47.5		
Contact configuration		DM-DB	1A、1B、1C、2A、2B、 2C、3A、3B、3C		
Max. Allowable Contact current (A)	100	30A 	20A 		
	70				
	40				
	30				
	10				
	5				
Contact rating Resistive load		30A 300VAC 15A 600VAC 30A 28VDC 1.5HP 200~600VAC	1C/2C:25A 300VAC 3C:20A 277VAC		
Coil voltage	DC	6~125V	6~125V		
	AC	6~240V	6~240V		
Power Consumption	DC	1.2W、1.5W	1.2W、1.5W		
	AC	3.0VA	3.0VA、3.4VA		
Life expectancy					
Mechanical(Min.)		1×10^7	1×10^7		
Electrical(Min.)		1×10^5	1×10^5		
Dielectric strength					
Open contact		1000VAC	1000VAC		
Contact and coil		2200VAC	1600VAC		
Contact circuits		1600VAC	1600VAC		
Terminal layout					
Bottom view (PCB Layout)					
Terminal type					
Safety approval		UL,CUL,TUV	UL,CUL,TUV		
Page no.		P119-121	P122-126		