REH
Power Relay

Shenler

- 2 Pole/3 Pole, 16A
- With lockable test button and inspection window
- Suitable for switching small three-phase loads, such as fans.



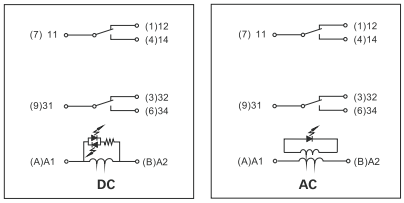
Specifications

Output		
Contact arrangement		2C , 3C
Rated current / voltage (resistive)		16A/400VAC 30VDC
Breaking capacity max.		6400VA, 480W (resistive); 2500VA, 90W (inductive)
Contact material		$AgSnO_2$
Initial contact resistance		≤50mΩ
Mechanical endurance(18000 Ops/h)		≥5000x10^4 operations
Electrical endurance(600 Ops/h)		10×10^4 operations
Input		
Coil power	DC	≈1.5W
	AC	≈2.5VA
Operate voltage(25℃)(rated voltage)		DC≤75% / AC≤80% 50/60Hz
Release voltage(25℃)(rated voltage)		DC≥10% / AC≥30% 50/60Hz
Max. voltage (25℃)(rated voltage)		110%
Operate time(rated voltage)		≤20ms
Release time(rated voltage)		≤20ms
General		
Operate ambient temperature/humidity		-40~+55℃/5%~85%RH (No condensation)
Storage ambient temperature/humidity		-55~+85℃/≤85%RH
Atmospheric pressure		86~106KPa
Shock resistance		10G (half-sine shock pulse: 11ms)
Vibration resistance		10~55Hz double-amplitude:1.0mm
Certification	Relay	
	Socket	
Unit weight(g)		≈90

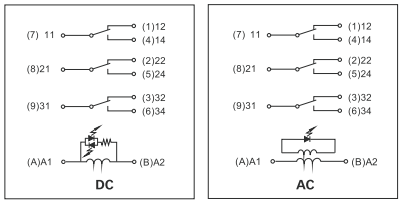
Insulation(IEC 60664 UL 840)		
Rated voltage		300VAC
Insulation resistance		≥1000MΩ （500VDC）
Initial dielectric strength	Between open contacts	2500VAC/min (leakage current 1mA)
	Between adjacent contacts	4000VAC/min (leakage current 1mA)
	Between contact and coil	4000VAC/min (leakage current 1mA)
Impulse withstand voltage (waveform: 1.2/50μs)		6000V （Altitude of 2000M）
Overvoltage category		III
Pollution degree		3
Protection category		IP20

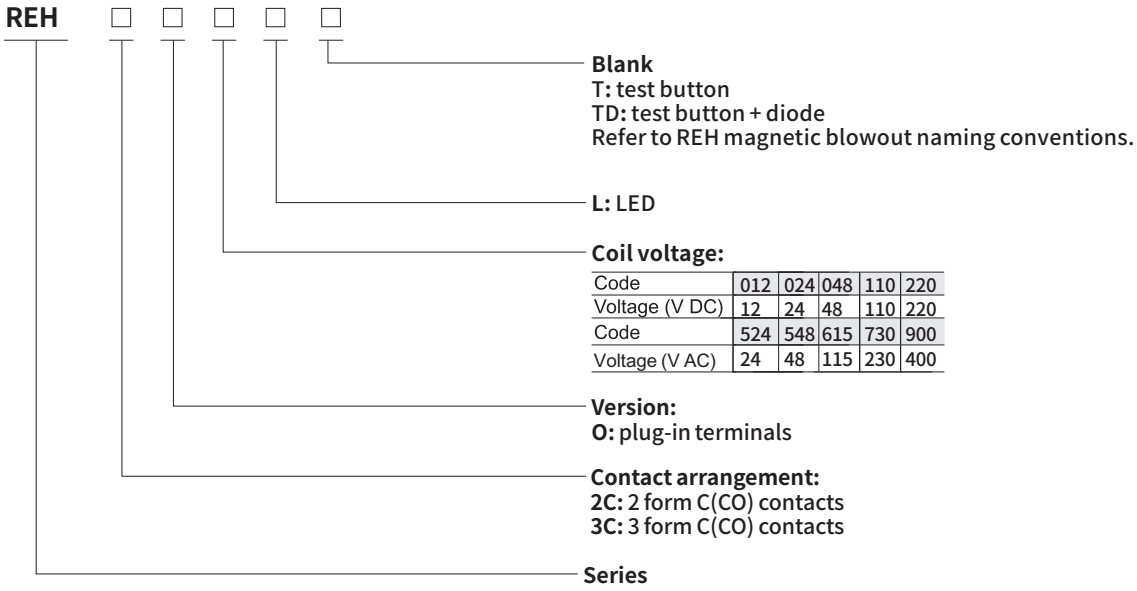
Wiring Diagrams

REH2CO



REH3CO





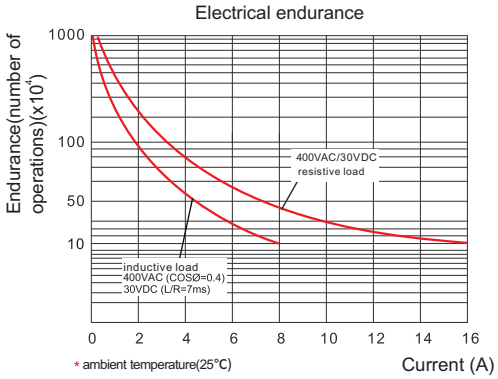
Selection Example: REH3CO220LT, REH Series, 3C 3-pole 3 form C(CO) contacts , O plug-in terminals, 220 Coil voltage 220VDC, LT with LED, test button.

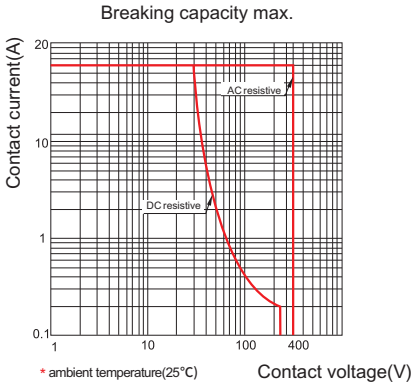
DC Input	12VDC	24VDC	48VDC	110VDC	220VDC
Rated voltage (VDC)	12	24	48	110	220
Rated current (mA)	120	60	30	13.03	6.7
Coil resistance (Ω±10%)	96	385	1540	8070 (Ω±15%)	32270 (Ω±15%)
Operate/Release voltage(V)	9 / 1.2	18 / 2.4	36 / 4.8	82.5 / 11	165 / 22
Coil power (±10% W)	1.44	1.44	1.44	1.43	1.47
Ordering Information					
2C With LED + test Button	REH2CO012LT	REH2CO024LT	REH2CO048LT	REH2CO110LT	REH2CO220LT
3C With LED + test Button	REH3CO012LT	REH3CO024LT	REH3CO048LT	REH3CO110LT	REH3CO220LT

AC Input	24VAC	48VAC	115VAC	230VAC	400VAC
Rated voltage (VAC)	24	48	115	230	400
Rated current 50Hz (mA)	108.2	52.2	22.7	11.5	6.9
Rated current 60Hz (mA)	101.7	51.04	21.2	10.61	6.2
Coil resistance (Ω±10%)	350	2200	8000 (Ω±15%)	28500 (Ω±15%)	30000 (Ω±15%)
Operate/Release voltage(V)	19.2 / 7.2	38.4 / 14.4	92 / 34.5	184 / 69	320 / 120
Coil power 50Hz (±10% VA)	2.60	2.51	2.61	2.65	2.76
Coil power 60Hz (±10% VA)	2.44	2.45	2.44	2.44	2.48
Ordering Information					
2C With LED + test Button	REH2CO524LT	REH2CO548LT	REH2CO615LT	REH2CO730LT	REH2CO900LT
3C With LED + test Button	REH3CO524LT	REH3CO548LT	REH3CO615LT	REH3CO730LT	REH3CO900LT
Accessories					
2C socket	SEB08-PS				
3C socket	SEB11-E, SEB11- E S, SEB11-PS				
Metal clip	SE52M				
Module	BMD				

Contact Specifictions

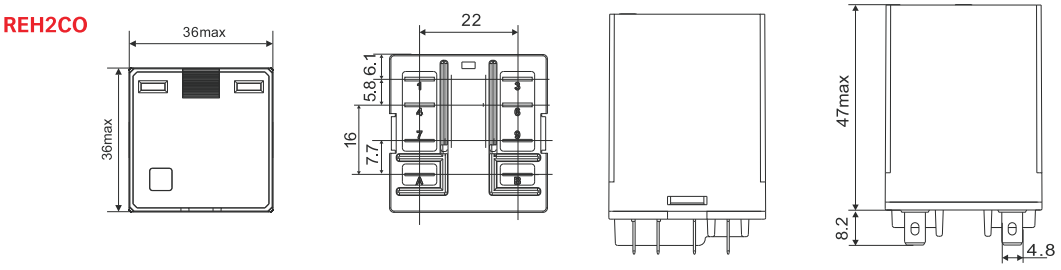
REH2CO/3CO



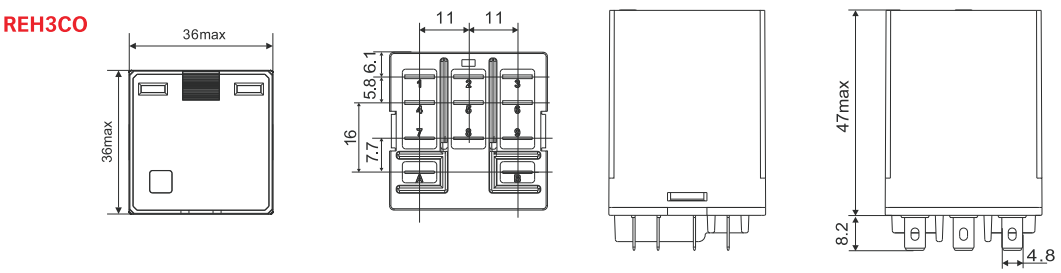


Dimensions(mm)

REH2CO

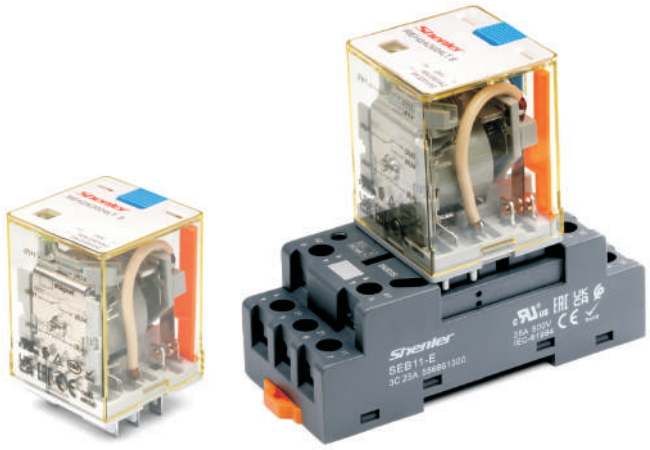


REH3CO



REH-S
Magnetic Blow-out
Power Relay

- Multiple NO and NC contacts avaliable
- With lockable test buttonand inspection window
- Max breaking voltage up to 220VDC
- With a mechanical indicator

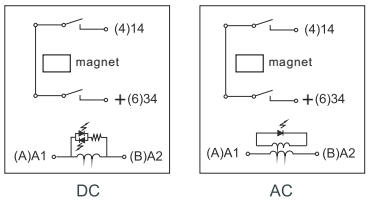


Specifications

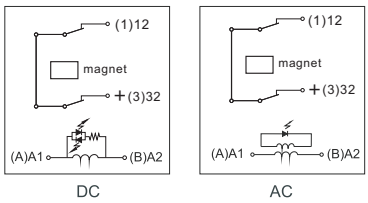
Output				
Contact arrangement		1A，1B	2A，2B，2F	3A
Rated current / voltage(resistive)		16A/500VAC	16A/250VAC	
		10 A@ 220 VDC	3 A@220 VDC; 7 A@ 110 VDC	
Breaking capacity max.	Resistive	8000VA,2200W	4000VA，660W	
	Inductive	2500VA，660W（1A，1B）220W（other）		
Contact material		$AgSnO_2$		
Initial contact resistance		≤50mΩ		
Mechanical endurance(18000 Ops/h)		≥5000x10^4 operations		
Electrical endurance(600 Ops/h)		10×10^4 operations		
Input				
Coil power	DC	≈1.5W		
	AC	≈2.5VA		
Operate voltage(25℃)（rated voltage）		DC≤75%/ AC≤80% 50/60Hz		
Release voltage(25℃)（rated voltage）		DC≥10%/AC≥30% 50/60Hz		
Max.voltage (25℃)(Rated voltage)		110%		
Operate time(rated voltage)		≤20ms		
Release time(rated voltage)		≤20ms		
General				
Operate ambient temperature/humidity		-40~+55℃/5%~85%RH(No condensation)		
Storage ambient temperature/humidity		-20~+85℃/≤85%RH		
Atmospheric pressure		86~106KPa		
Shock resistance		10G (half-sine shock pulse: 11ms)		
Vibration resistance		10~55Hz double-amplitude:1.0mm		
Certification	Relay			
	Socket			
Unit weight(g)		≈90		
Insulation(IEC 60664 UL 840)				
Rated voltage		500VAC	250VAC	400VAC
Insulation resistance		≥1000MΩ （500VDC）		
Initial dielectric strength	Between open contacts	2500VAC/min (leakage current 1mA)		
	Between adjacent contacts	4000VAC/min (leakage current 1mA)		
	Between contact and coil	4000VAC/min (leakage current 1mA)		
Impulse withstand voltage (waveform: 1.2/50μs)		6000V （Altitude of 2000M）		
Overvoltage category		II	III	II
Pollution degree		2	3	2
Protection category		IP20		

Wiring Diagrams

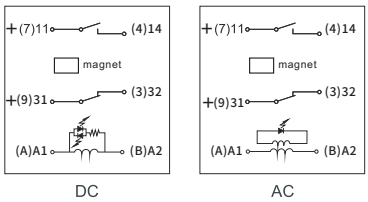
REH1A



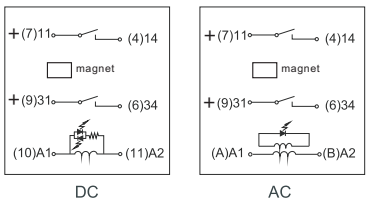
REH1B



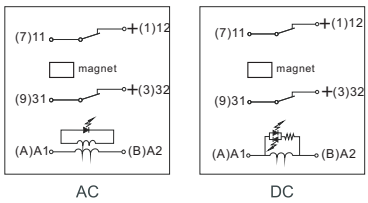
REH2F



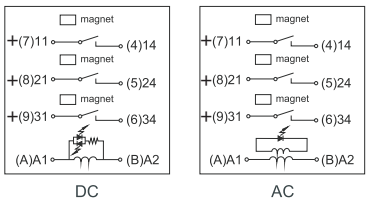
REH2A



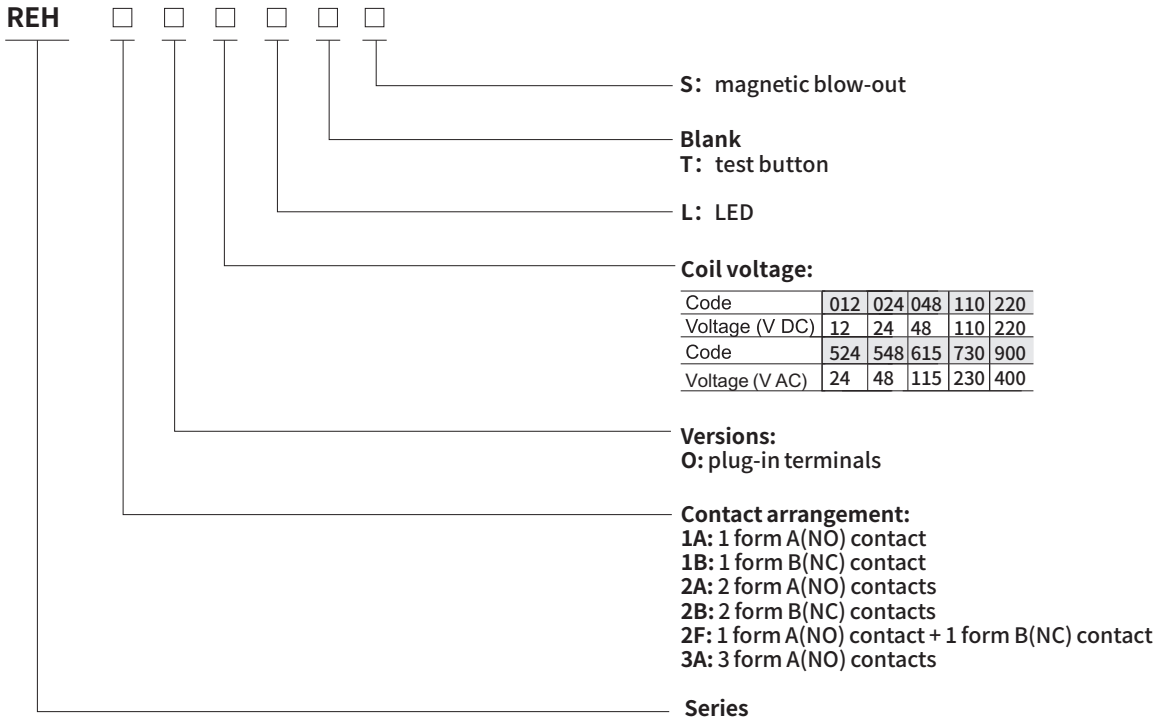
REH2B



REH3A



REH-S
Magnetic Blow-out
Power Relay



Selection example: REH2FO730LTS, REH Series, 2F 1NO+1NC, O plug-in, 730 coil voltage 230VAC, LT LED+test button S with magnetic blow-out

DC Input	12VDC	24VDC	48VDC	110VDC	220VDC
Rated voltage (VDC)	12	24	48	110	220
Rated current (mA)	130.4	60.1	33.7	14.3	7.4
Coil resistance (Ω±10%)	96	385	1540	8070 (Ω±15%)	32270 (Ω±15%)
Operate/Release voltage(V)	9 / 1.2	18 / 2.4	36 / 4.8	82.5 / 11	165 / 22
Coil power (±10% W)	1.56	1.44	1.62	1.57	1.63

Ordering Information

1A	With LED+magnetic blow-out		REH1AO024L S	REH1AO048L S	REH1AO110L S	REH1AO220L S
	With LED+test button+magnetic blow-out	REH1AO012LT S	REH1AO024LT S		REH1AO110LT S	REH1AO220LT S
1B	With LED+magnetic blow-out		REH1BO024L S	REH1BO048L S		
	With LED+test button+magnetic blow-out		REH1BO024LT S	REH1BO048LT S	REH1BO110LT S	REH1BO220LT S
2A	With LED+magnetic blow-out		REH2AO024L S		REH2AO110L S	REH2AO220L S
	With LED+test button+magnetic blow-out		REH2AO024LT S	REH2AO048LT	REH2AO110LT S	REH2AO220LT S
2F	With LED+magnetic blow-out		REH2FO024L S(1NO/1NC)		REH2FO110L S(1NO/1NC)	REH2FO220L S(1NO/1NC)
	With LED+test button+magnetic blow-out	REH2FO012LT S	REH2FO024LT S(1NO/1NC)	REH2FO048LT S(1NO/1NC)	REH2FO110LT S(1NO/1NC)	REH2FO220LT S(1NO/1NC)
3A	With LED+magnetic blow-out				REH3AO110L S	REH3AO220L S
	With LED+test button+magnetic blow-out	REH3AO012LT S	REH3AO024LT S		REH3AO110LT S	REH3AO220LT S

REH-S
Magnetic Blow-out
Power Relay

Shenler

AC Input	24VAC	48VAC	115VAC	230VAC	400VAC
Rated voltage(VAC)	24	48	115	230	400
Rated current 50Hz(mA)	101.7	51.04	21.2	10.61	6.23
Rated current 60Hz(mA)	99.8	49.8	20.6	10.3	6.1
Coil resistance(Ω±10%)	100	350	2200(Ω±15%)	28500(Ω±15%)	30000 (Ω±15%)
Operate/Release voltage(V)	19.2 / 7.2	38.4 / 14.4	92 / 34.5	184 / 69	320 / 120
Coil power 50Hz (±10% VA)	2.44	2.45	2.44	2.44	2.49
Coil power 60Hz	2.40	2.39	2.37	2.37	2.44

Ordering Information

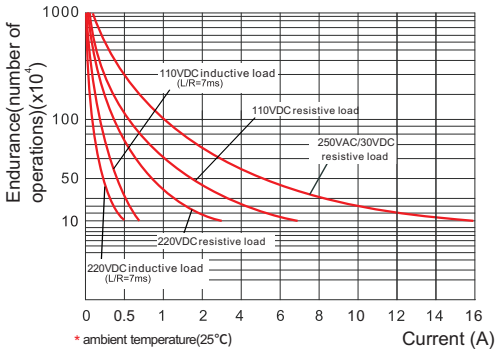
1A	With LED+magnetic blow-out				REH1AO730L S	
	With LED+test button+magnetic blow-out	REH1AO524LT S	REH1AO548LT S	REH1AO615LT S	REH1AO730LT S	REH1AO900LT S
1B	With LED+test button+magnetic blow-out				REH1BO730LT S	
2A	With LED+magnetic blow-out				REH2AO730L S	
	With LED+test button+magnetic blow-out	REH2AO524LT S	REH2AO548LT S	REH2AO615LT S	REH2AO730LT S	REH2AO900LT S
2F	With LED+test lbutton+magnetic blow-out				REH2FO730LT S(1NO/1NC)	
3A	With LED+test button+magnetic blow-out				REH3AO730LT S	

Accessories	
2C socket	SEB08-PS
3C socket	SEB11-E, SEB11- E S, SEB11-PS
Metal clip	SE52M
Module	BMD

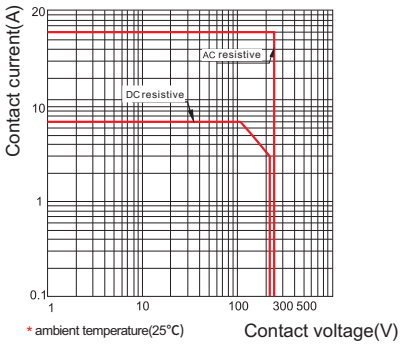
Contact Specifictions

REH2A/2B/2F/3A

Electrical endurance

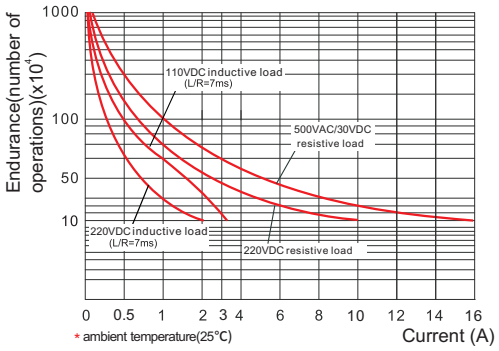


Breaking capacity max.

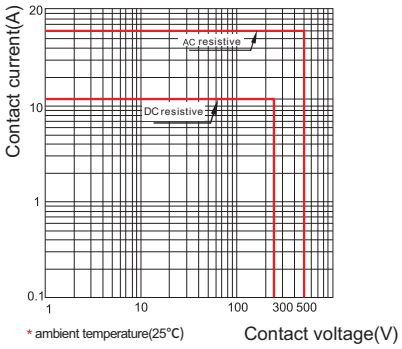


REH1A/1B

Electrical endurance

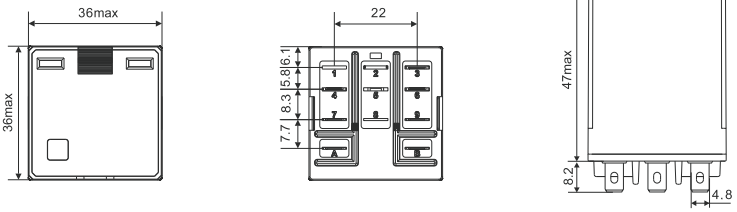


Breaking capacity max.



Dimensions(mm)

REH



Shenler



SEB11-E



SEB11-E S



SE52M
Metal clip



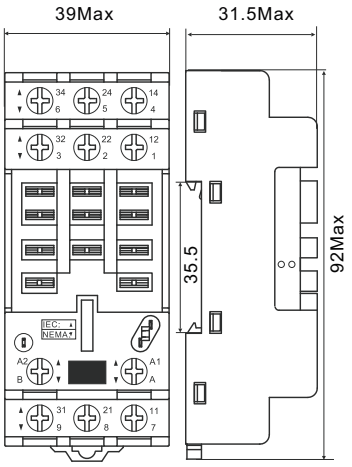
BMD
Module

Socket

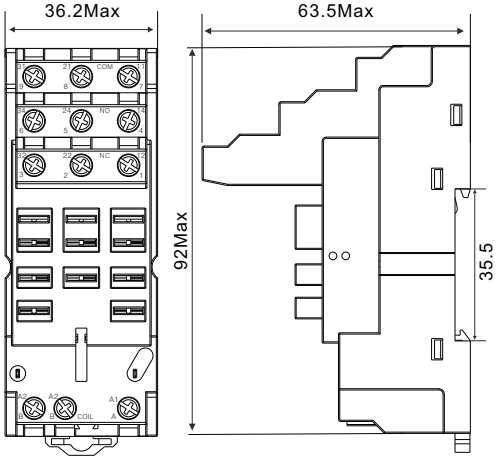
Model No.		SEB11-E	SEB11-E S
Rated load current		25A	
Rated load voltage		500V	
Dielectric strength	Between coil and contact	4000V/min	
	Between contacts	2500V/min	
Screw torque		1.2Nm	
Wiring range(screw terminal)		0.5~3.3mm²	
Operating ambient temperature		-40~+75℃	
Length x Width x Height(mm)		92 x 39 x 31.5	92 x 36.2 x 63.5
Unit weight(g)		64	85.9

Accessories not included with socket.

Dimensions(mm)

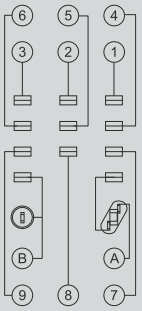


SEB11-E



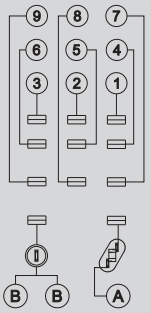
SEB11-E S

Wiring Diagrams



Ⓐ Ⓑ : A1 A2
① ② ③ : NC
④ ⑤ ⑥ : NO
⑦ ⑧ ⑨ : COM

SEB11-E



Ⓐ Ⓑ :A1 A2
③ ② ① :NC
⑥ ⑤ ④ :NO
⑨ ⑧ ⑦ :COM

SEB11-E S

REH-S
Socket for Relay

Shenler



SEB08-PS&SEB11-PS



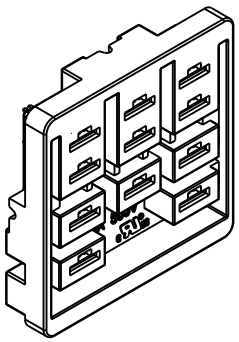
SE52M
Metal clip

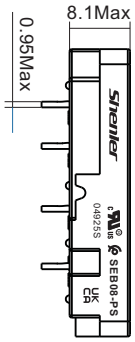
Socket

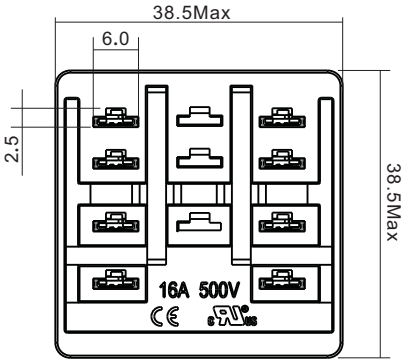
Model No.	SEB08-PS	SEB11-PS
Rated load current	16A	
Rated load voltage	500V	
Dielectric strength	2500V/min	
Operating ambient temperature	-40~+75℃	
Unit weight(g)	11.9	

Accessories not included with socket.

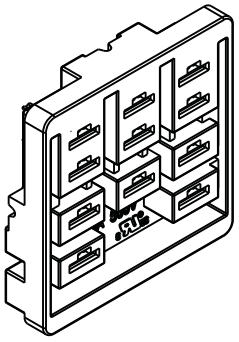
Dimensions(mm)

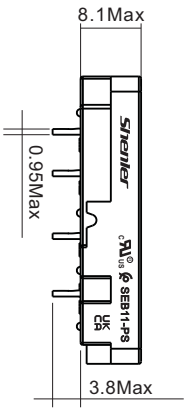


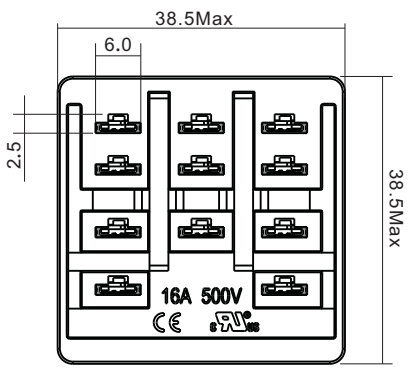




SEB08-PS





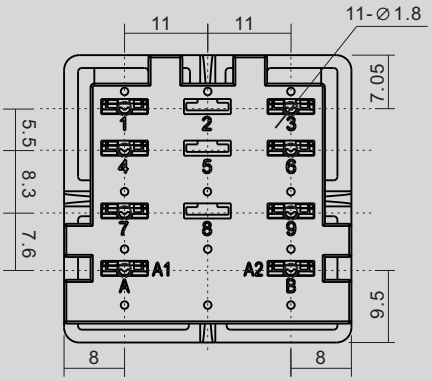


SEB11-PS

Wiring Diagrams

SEB08-PS

Ⓐ Ⓑ : A1 A2
①③ : NC
④⑥ : NO
⑦⑨ : COM



SEB11-PS

Ⓐ Ⓑ : A1 A2
①②③ : NC
④⑤⑥ : NO
⑦⑧⑨ : COM

