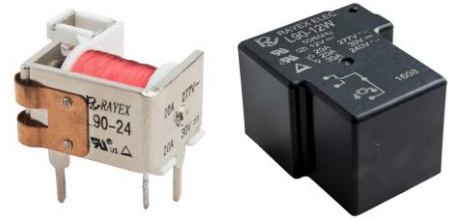


FEATURES

- Up to 30A switching capacity in 1PST and 20A switching in 1PDT arrangement
- Open-frame and plastic sealed types are available
- Using at home appliances, power switching appliances, car controller, heating, ventilating, and conditioning systems



UL FILE NO.: E126157
 CUL FILE NO.: E126157
 TUV FILE NO.: R50049667

ORDERING INFORMATION

L90 A S — 12 A W L
 1 2 3 4 5 6 7

1. Type

2. Contact Arrangement

Nil : 1 Form C(1PDT)

A : 1 Form A(1PST-NO)

B : 1 Form B(1PST-NC)

3. Common Terminals Type

Nil : Standard Type

S : Without Common Terminal
 between coil terminals

4. Coil Nominal Voltage

5. Coil Nominal Voltage Type

Nil : DC

A : AC

6. Enclosure Type

Nil : Open Type

W : Sealed Type

7. Contact Rating

Nil : 30A (UL / TUV)

L : 40A

T : 20A

COIL DATA(at 25°C)

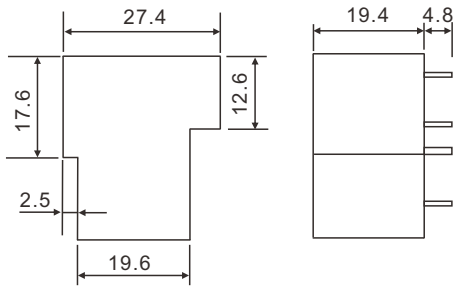
DC 0.9 W				AC 1.2 VA			
Coil Nominal Voltage (VDC)	Resistance Tol.±10% (Ohms)	Maximum Pick Up Voltage (V)	Minimum Drop Out Voltage (V)	Coil Nominal Voltage (50/60Hz)	Resistance Tol.±10% (Ohms)	Maximum Pick Up Voltage (V)	Minimum Drop Out Voltage (V)
5	27	3.75	0.5	6	10	5.1	0.6
6	40	4.5	0.6	12	43	10.2	1.2
9	97	6.75	0.9	24	160	20.4	2.4
12	155	9.0	1.2	110	3,160	93.5	11.0
18	380	13.5	1.8	220	13,490	187.0	22.0
24	660	18.0	2.4				
36	1,44	27.0	3.6				

CONTACT RATING

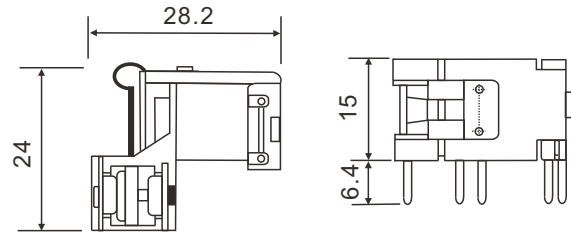
1A(1PST-NO)	Resistive (Cos.θ = 1)	AC 240V / 30A	AC 277V / 20A	DC 30V / 20A
1B(1PST-NC)	Resistive (Cos.θ = 1)	AC 240V / 20A	AC 277V / 15A	DC 30V / 10A
1C(1PDT)	Resistive (Cos.θ = 1)	NO : AC 240V / 30A	NO : AC 277V / 20A	NO:DC 30V / 20A
	Resistive (Cos.θ = 1)	NC : AC 240V / 20A	NC : AC 277V / 15A	NC:DC 30V / 10A
L:1C(1PDT)	Resistive (Cos.θ = 1)	AC 240V/ DC 30V		NO : 40/NC : 30A
T:1C(1PDT)	Resistive (Cos.θ = 1)	AC 240V/ DC 30V		NO : 20/NC : 10A

DIMENSIONS(±0.2mm)

SEALED TYPE

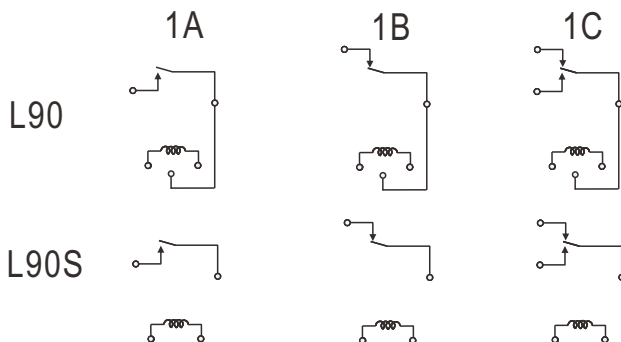


OPEN TYPE

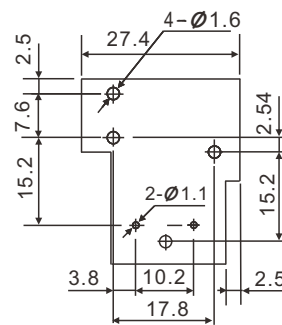


P.C.B LAYOUT
(BOTTOM VIEW)

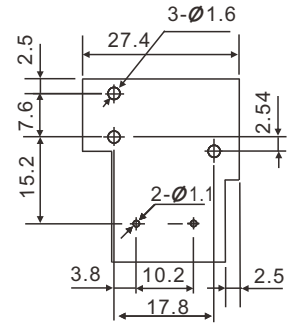
WIRING DIAGRAM(BOTTOM VIEW)



L90



L90S



GENERAL DATA

Insulation Resistance	500 MΩ Min. (DC 500V)
Dielectric Strength	1,500 VAC, 50/60Hz between contact.
	2,000 VAC(L90S:2500), 50/60Hz between all elements
Contact Material	Ag Alloy.
Contact Resistance	50 milliohms max. (initial value)
Shock Resistance	Malfunction: 10G(11ms) ; Destructive: 100G(6ms)
Vibration Resistance	Malfunction: 10 to 55 Hz. at Double Amplitude of 1.5 mm
	Destructive: 10 to 55 Hz. at Double Amplitude of 1.5 mm
Operation Time	15 ms max.
Release Time	15 ms max.
Contact gap	1.0mm
Temperature Range	- 55°C ~ + 85°C
Expected Life	With operation rate 30/min.
	Mechanical - 10,000,000 operations min. Electrical - 100,000 operations min. at rated load.
Weight	25 grams

FEATURES

- Up to 30A switching capacity in SPST and 20A switching in SPDT arrangement.
- Using at home appliance, power switching appliances, car controller, heating, ventilating, and conditioning systems, etc
- AC COIL of this relay comes without TUV/UL Approved.



UL FILE NO.: E126157
CUL FILE NO.: E126157

ORDERING INFORMATION

L901 A — 12 A L
1 2 3 4 5

1. Type

L901 : Double Connect Type1
(PCB Terminal and Quick Connect Terminal)

2. Contact Arrangement

Nil: 1 Form C (1 PDT)
A : 1 Form A (1PST-NO)
B : 1 Form B(1PST-NC)

3. Coil Nominal Voltage

4. Coil Nominal Voltage Type

D: DC
A : AC

5. Contact Rating

Nil : 30A (UL / TUV)
L : 40A
T : 20A

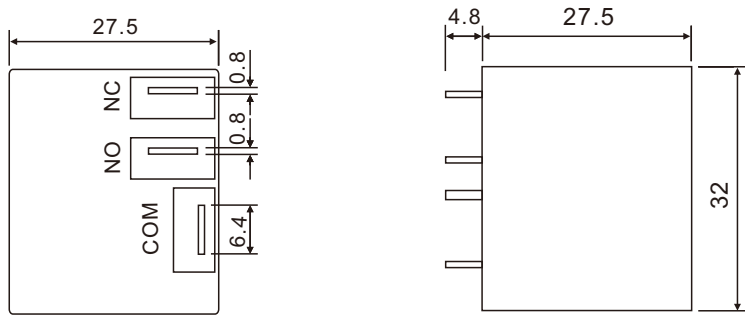
COIL DATA(at 25°C)

DC 0.93 W				AC 1.2 VA			
Coil Nominal Voltage (VDC)	Resistance Tol.±10% (Ohms)	Maximum Pick Up Voltage (V)	Minimum Drop Out Voltage (V)	Coil Nominal Voltage (50/60Hz)	Resistance Tol.±10% (Ohms)	Maximum Pick Up Voltage (V)	Minimum Drop Out Voltage (V)
5	27	3.75	0.5	6	10	5.1	0.6
6	40	4.5	0.6	12	43	10.2	1.2
9	97	6.75	0.9	24	160	20.4	2.4
12	155	9.0	1.2	110	3,160	93.5	11.0
18	380	13.5	1.8	220	13,490	187.0	22.0
24	660	18.0	2.4				
48	2,560	36.0	4.8				

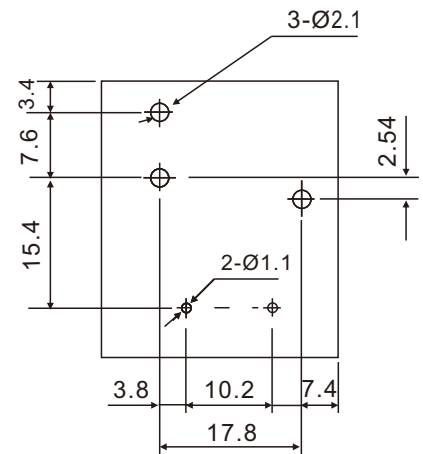
CONTACT RATING

1A(1PST-NO)	Resistive (Cos.θ = 1)	AC 240V / 30A	AC 277V / 20A	DC 30V / 20A
1B(1PST-NC)	Resistive (Cos.θ = 1)	AC 240V / 20A	AC 277V / 15A	DC 30V / 10A
1C(1PDT)	Resistive (Cos.θ = 1)	NO : AC 240V / 30A	NO : AC 277V / 20A	NO:DC 30V / 20A
	Resistive (Cos.θ = 1)	NC : AC 240V / 20A	NC : AC 277V / 15A	NC:DC 30V / 10A
L:1C(1PDT)	Resistive (Cos.θ = 1)	AC 240V/ DC 30V		NO : 40/NC : 30A
T:1C(1PDT)	Resistive (Cos.θ = 1)	AC 240V/ DC 30V		NO : 20/NC : 10A

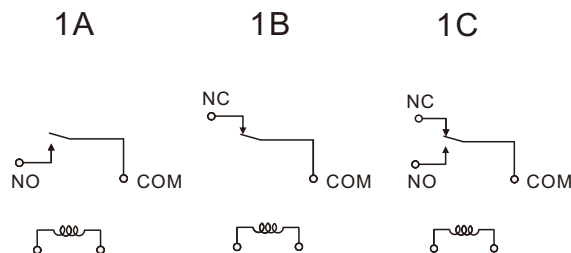
DIMENSIONS(±0.2mm)



P.C.B LAYOUT (BOTTOM VIEW)



WIRING DIAGRAM(BOTTOM VIEW)



GENERAL DATA

Insulation Resistance	100 MΩ Min. (DC 500V)
Dielectric Strength	1,500 VAC, 50/60Hz between contact.
	2,000 VAC, 50/60Hz between all elements.
Contact Material	Ag Alloy.
Contact Resistance	50 milliohms max. (initial value)
Shock Resistance	Malfunction: 10G(11ms) ; Destructive: 100G(6ms)
Vibration Resistance	Malfunction: 10 to 55 Hz. at Double Amplitude of 1.5 mm
	Destructive: 10 to 55 Hz. at Double Amplitude of 1.5 mm
Operation Time	15 ms max.
Release Time	10 ms max.
Temperature Range	- 40°C ~ + 85°C
Expected Life	With operation rate 30/min.
	Mechanical - 10,000,000 operations min.
	Electrical - 100,000 operations min. at rated load.
Weight	32 grams

L902 SERIES

FEATURES

- UL, CUL approved
- 1A (1PST) and 1C (1PDT) contact form
- Up to 30A switching capacity in 1PST and 20A switching in 1PDT arrangement.
- Using at home appliance, power switching appliances, car controller, heating, ventilating, and conditioning systems, etc.



UL FILE NO.: E126157
CUL FILE NO.: E126157

ORDERING INFORMATION

L902 A — 12 A L
 1 2 3 4 5

1. Type

L902 : Double Connect Type2
(PCB Terminal and Quick Connect Terminal)

2. Contact Arrangement

Nil : 1 Form C(1PDT)
A : 1 Form A(1PST-NO)
B : 1 Form B(1PST-NC)

3. Coil Nominal Voltage

4. Coil Nominal Voltage Type

D : DC
A : AC

5. L:40A

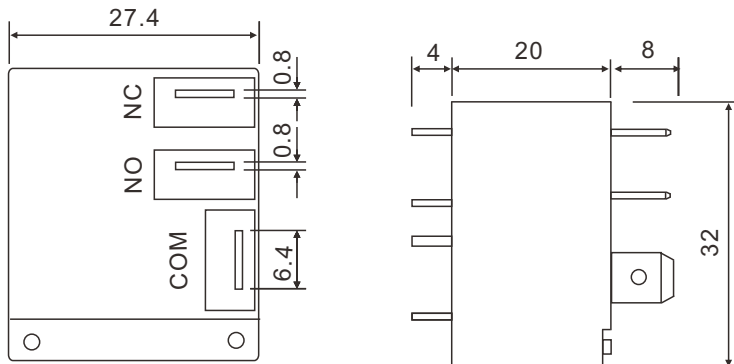
COIL DATA(at 25°C)

DC 0.93 W				AC 1.2 VA			
Coil Nominal Voltage (VDC)	Resistance Tol.±10% (Ohms)	Maximum Pick Up Voltage (V)	Minimum Drop Out Voltage (V)	Coil Nominal Voltage (50/60Hz)	Resistance Tol.±10% (Ohms)	Maximum Pick Up Voltage (V)	Minimum Drop Out Voltage (V)
5	27	3.75	0.5	6	10	5.1	0.6
6	40	4.5	0.6	12	43	10.2	1.2
9	97	6.75	0.9	24	160	20.4	2.4
12	155	9.0	1.2	110	3,160	93.5	11.0
18	380	13.5	1.8	220	13,490	187.0	22.0
24	660	18.0	2.4				
48	2,560	36.0	4.8				

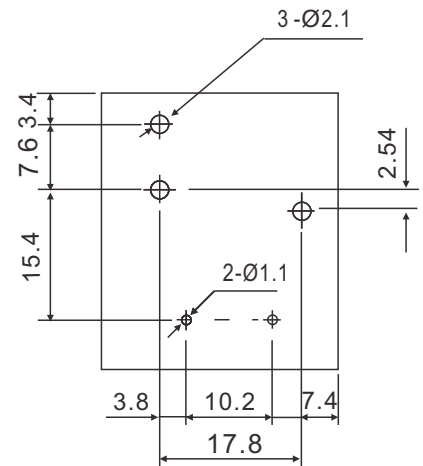
CONTACT RATING

1A(1PST-NO)	Resistive (Cos.θ = 1)	AC 240V / 30A	AC 277V / 20A	DC 30V / 20A
1B(1PST-NC)	Resistive (Cos.θ = 1)	AC 240V / 20A	AC 277V / 15A	DC 30V / 10A
1C(1PDT)	Resistive (Cos.θ = 1)	NO : AC 240V / 30A	NO : AC 277V / 20A	NO:DC 30V / 20A
	Resistive (Cos.θ = 1)	NC : AC 240V / 20A	NC : AC 277V / 15A	NC:DC 30V / 10A
L:1C(1PDT)	Resistive (Cos.θ = 1)	AC 240V / DC 30V		40A

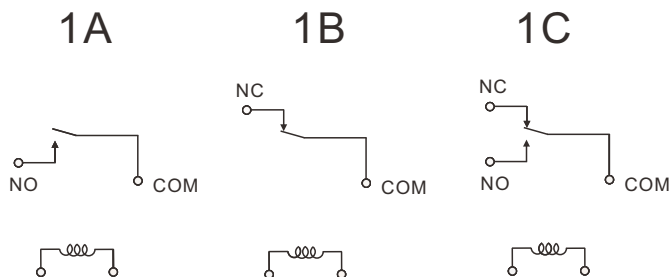
DIMENSIONS(±0.2mm)



P.C.B LAYOUT
(BOTTOM VIEW)



WIRING DIAGRAM(BOTTOM VIEW)



GENERAL DATA

Insulation Resistance	100 MΩ Min. (DC 500V)
Dielectric Strength	1,500 VAC, 50/60Hz between contact.
	2,000 VAC, 50/60Hz between all elements.
Contact Material	Ag Alloy.
Contact Resistance	50 milliohms max. (initial value)
Shock Resistance	Malfunction: 10G(11ms) ; Destructive: 100G(6ms)
Vibration Resistance	Malfunction: 10 to 55 Hz. at Double Amplitude of 1.5 mm
	Destructive: 10 to 55 Hz. at Double Amplitude of 1.5 mm
Operation Time	15 ms max.
Release Time	10 ms max.
Temperature Range	- 55°C ~ + 85°C
Expected Life	With operation rate 30/min.
	Mechanical - 10,000,000 operations min.
	Electrical - 100,000 operations min. at rated load.
Weight	28 grams



: Solder Lug/Quick Connect

FEATURES

- Flanged cover suitable for screw fasten or snap-in mounting track.
- 1A (1PST) and 1C (1PDT) contact form.
- Up to 30A switching capacity in 1PST and 20A switching in 1PDT arrangement.
- Using at home appliance, power switching appliances, car controller, heating, ventilating, and conditioning systems, etc.



ORDERING INFORMATION

L903 A — 12 A L
 1 2 3 4 5

1. Type

L903 : Out line Connect Type with Flanged Cover

2. Contact Arrangement

Nil : 1 Form C(1PDT)
 A : 1 Form A(1PST-NO)
 B : 1 Form B(1PST-NC)

3. Coil Nominal Voltage

4. Coil Nominal Voltage Type

D : DC
 A : AC
 5. L:40A

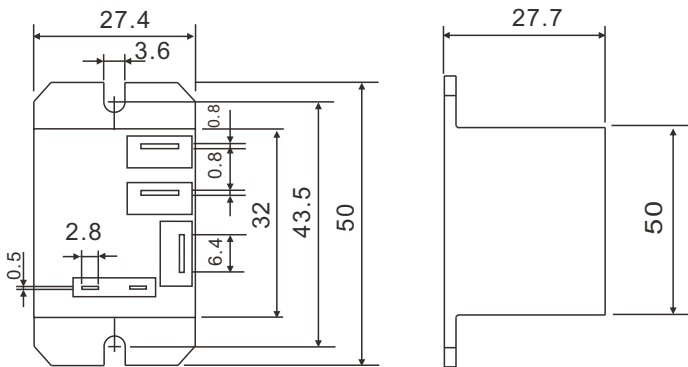
COIL DATA(at 25°C)

DC 0.9 W				AC 1.2 VA			
Coil Nominal Voltage (VDC)	Resistance Tol.±10% (Ohms)	Maximum Pick Up Voltage (V)	Minimum Drop Out Voltage (V)	Coil Nominal Voltage (50/60Hz)	Resistance Tol.±10% (Ohms)	Maximum Pick Up Voltage (V)	Minimum Drop Out Voltage (V)
5	27	3.75	0.5	6	10	5.1	0.6
6	40	4.5	0.6	12	43	10.2	1.2
9	97	6.75	0.9	24	160	20.4	2.4
12	155	9.0	1.2	110	3,160	93.5	11.0
18	380	13.5	1.8	220	13,490	187.0	22.0
24	660	18.0	2.4				
48	2,560	36.0	4.8				

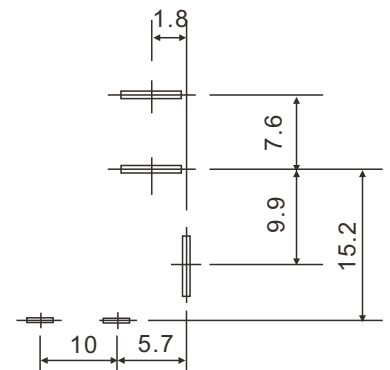
CONTACT RATING

1A(1PST-NO)	Resistive (Cos.θ = 1)	AC 240V / 30A	AC 277V / 20A	DC 30V / 20A
1B(1PST-NC)	Resistive (Cos.θ = 1)	AC 240V / 20A	AC 277V / 15A	DC 30V / 10A
1C(1PDT)	Resistive (Cos.θ = 1)	NO : AC 240V / 30A	NO : AC 277V / 20A	NO:DC 30V / 20A
	Resistive (Cos.θ = 1)	NC : AC 240V / 20A	NC : AC 277V / 15A	NC:DC 30V / 10A
L:1C(1PDT)	Resistive (Cos.θ = 1)	AC 240V/ DC 30V		40A

DIMENSIONS(±0.2mm)

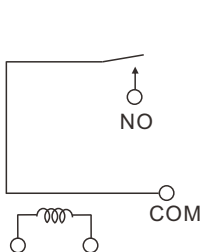


P.C.B LAYOUT
(BOTTOM VIEW)

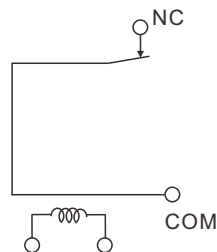


WIRING DIAGRAM(BOTTOM VIEW)

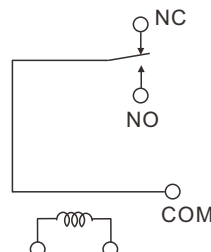
1A



1B



1C



GENERAL DATA

Insulation Resistance	500 MΩ Min. (DC 500V)
Dielectric Strength	1,500 VAC, 50/60Hz between contact.
	2,000 VAC, 50/60Hz between all elements.
Contact Material	Ag Alloy.
Contact Resistance	50 milliohms max. (initial value)
Shock Resistance	Malfunction: 10G(11ms) ; Destructive: 100G(6ms)
Vibration Resistance	Malfunction: 10 to 55 Hz. at Double Amplitude of 1.5 mm
	Destructive: 10 to 55 Hz. at Double Amplitude of 1.5 mm
Operation Time	15 ms max.
Release Time	15 ms max.
Temperature Range	- 55°C ~ + 85°C
Expected Life	With operation rate 30/min.
	Mechanical - 10,000,000 operations min.
	Electrical - 100,000 operations min. at rated load.
Weight	34 grams



LMR SERIES

RAYEX ELEC.

FEATURES

- High sensitive type
- Dielectric strength AC 5,000V
- 8mm insulation distance
- Using at home appliances, microwave ovens, air conditioners, audio equipment, temperature controller



UL FILE NO. : E126157
 CUL FILE NO. : E126157
 TUV FILE NO. : R50054883

ORDERING INFORMATION

LMR 1H A — xx D L
 1 2 3 4 5 6

- | | |
|------------------------|------------------------------|
| 1. Type | 4. Coil Nominal Voltage |
| 2. Cont. Type | 5. Coil Nominal Voltage Type |
| 1:1 Pole (12A) | D: DC |
| 2:2 Pole (8A) | 6. Height |
| 1H:1 Pole 2 Feet(16A) | NIL:15.5mm |
| 3. Contact Arrangement | L:20.5mm |
| Nil: Form C | |
| A: Form A | |
| B: Form B | |

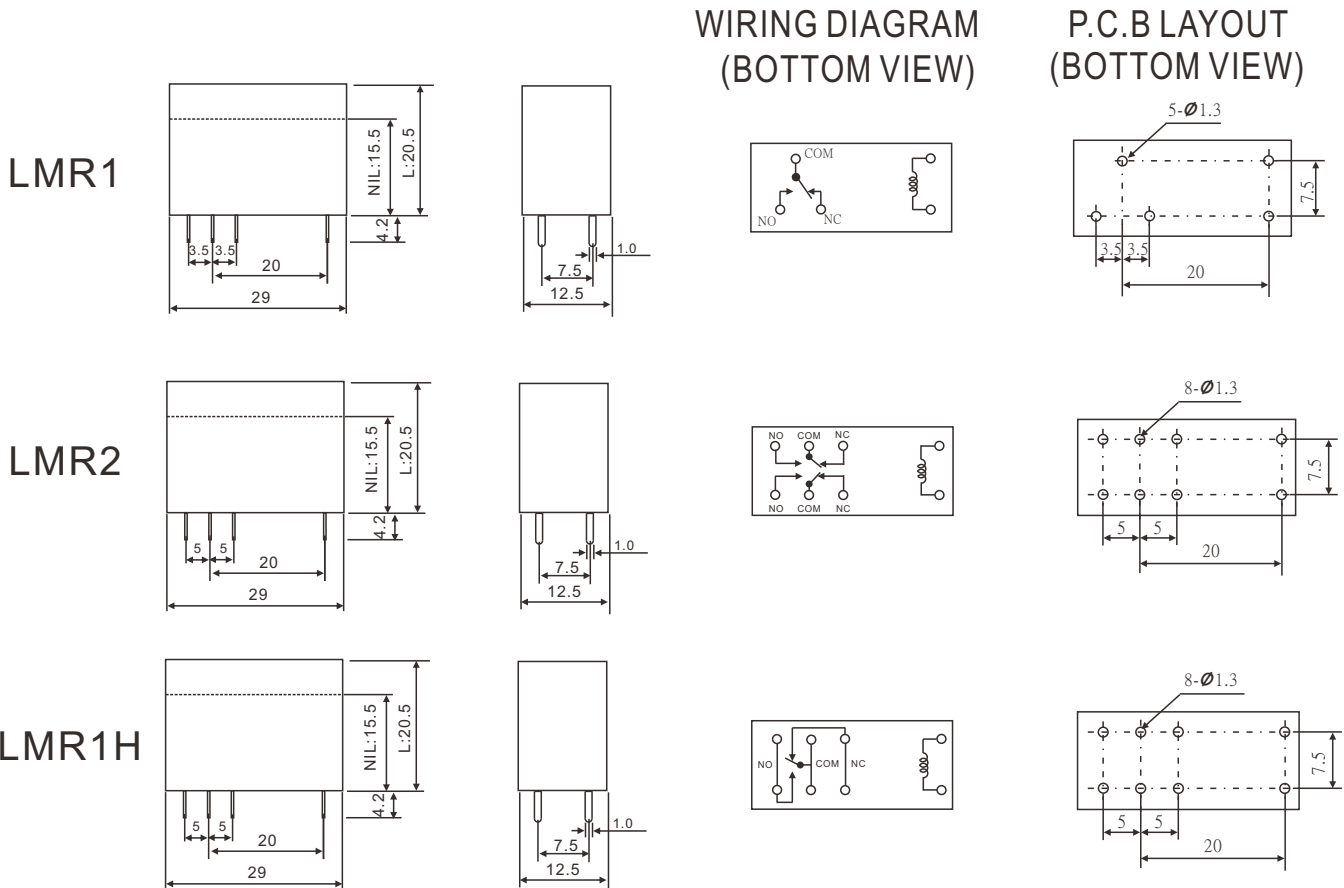
COIL DATA (at 25°C)

DC 0.53 W				
Coil Nominal Voltage(VDC)	Resistance Tol±10%(Ohms)	Nominal Current (mA)	Maximum Pick Up Voltage (V)	Minimum Drop Out Voltage (V)
5	47	106.4	4	0.5
12	270	44.4	9.6	1.2
24	1,100	21.8	19.2	2.4

CONTACT RATING

LMR1	TYPE (1PDT)	Resistive (Cos.θ = 1)	AC 250V / DC 30V	12A
LMR2	TYPE (2PDT)	Resistive (Cos.θ = 1)	AC 250V / DC 30V	8A
LMR1H	TYPE (1PDT)	Resistive (Cos.θ = 1)	AC 250V / DC 30V	16A

DIMENSIONS(±0.5mm)

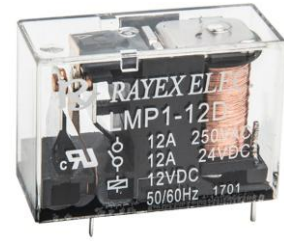


GENERAL DATA

Insulation Resistance	1,000 MΩ Min. (DC 500V)
Dielectric Strength	1,000 VAC, 50/60Hz between contact.
	5,000 VAC, 50/60Hz between all elements.
Contact Material	Ag .Alloy.
Contact Resistance	100 milliohms max. (initial value)
Shock Resistance	Malfunction: 10G(11ms) ; Destructive: 100G(6ms)
Vibration Resistance	Malfunction: 10 to 55 Hz. at Double Amplitude of 1.5 mm
	Destructive: 10 to 55 Hz. at Double Amplitude of 1.5 mm
Operation Time	15 ms max.
Release Time	10 ms max.
Temperature Range	- 40°C ~ + 85°C
Expected Life	With operation rate 30/min.
	Mechanical - 10,000,000 operations min.
	Electrical - 100,000 operations min. at rated load.
Weight	12 garms

FEATURES

- Height 20.5mm
- Transparent cover
- High sensitive type
- Dielectric strength AC 5,000V
- 8mm insulation distance
- Using at home appliances, microwave ovens, air conditioners, audio equipment, temperature controller



UL FILE NO. : E131959
CUL FILE NO. : E131959

ORDERING INFORMATION

LM P 1H A — 12 D

1 2 3 4 5 6

- | | |
|-----------------------|-----------------------------|
| 1. Type | 4.Contact Arrangement |
| 2. Style | Nil: Form C |
| P: Transparent cover | A: Form A |
| 3.Cont. Type | B: Form B |
| 1:1 Pole (12A) | 5.Coil Nominal Voltage |
| 2:2 Pole (8A) | 6.Coil Nominal Voltage Type |
| 1H:1 Pole 2 Feet(16A) | D:DC |

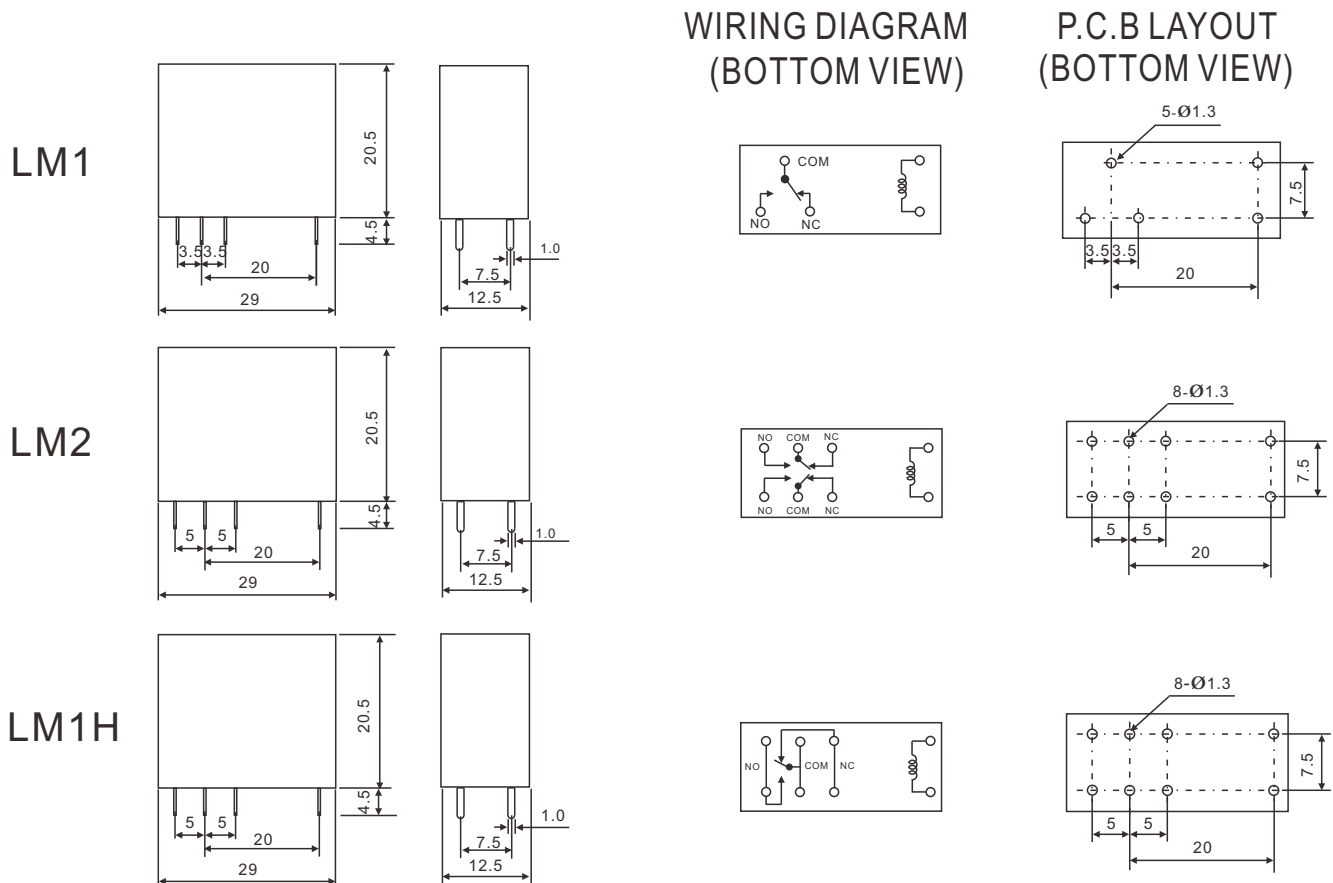
COIL DATA (at 25°C)

DC 0.53 W				
Coil Nominal Voltage(VDC)	Resistance Tol±10%(Ohms)	Nominal Current (mA)	Maximum Pick Up Voltage (V)	Minimum Drop Out Voltage (V)
5	47	106.4	4	0.5
6	68	88.0	4.8	0.6
12	270	44.4	9.6	1.2
24	1,100	21.8	19.2	2.4

CONTACT RATING

LM1	TYPE (1PDT)	Resistive (Cos.θ = 1)	AC 250V / DC 30V	12A
LM2	TYPE (2PDT)	Resistive (Cos.θ = 1)	AC 250V / DC 30V	8A
LM1H	TYPE (1PDT)	Resistive (Cos.θ = 1)	AC 250V / DC 30V	16A

DIMENSIONS(±0.2mm)

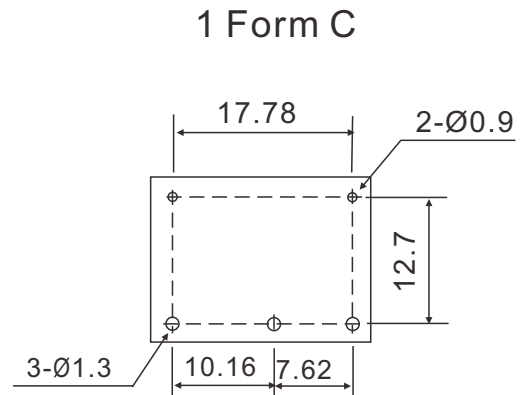
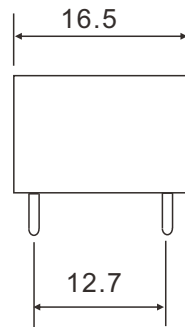
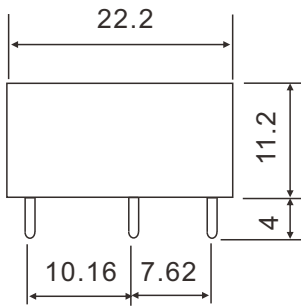


GENERAL DATA

Insulation Resistance	1,000 MΩ Min. (DC 500V)
Dielectric Strength	1,000 VAC, 50/60Hz between contact.
	5,000 VAC, 50/60Hz between all elements.
Contact Material	Ag Alloy.
Contact Resistance	100 milliohms max. (initial value)
Shock Resistance	Malfunction: 10G(11ms) ; Destructive: 100G(6ms)
Vibration Resistance	Malfunction: 10 to 55 Hz. at Double Amplitude of 1.5 mm
	Destructive: 10 to 55 Hz. at Double Amplitude of 1.5 mm
Operation Time	15 ms max.
Release Time	10 ms max.
Temperature Range	- 40°C ~ + 80°C
Expected Life	With operation rate 30/min.
	Mechanical - 10,000,000 operations min.
	Electrical - 100,000 operations min. at rated load.
Weight	Standard Type : 17 grams,

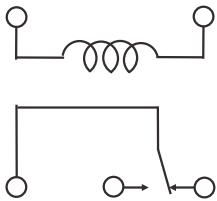
DIMENSIONS(±0.2mm)

P.C.B LAYOUT (BOTTOM VIEW)

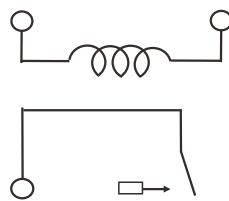


WIRING DIAGRAM (BOTTOM VIEW)

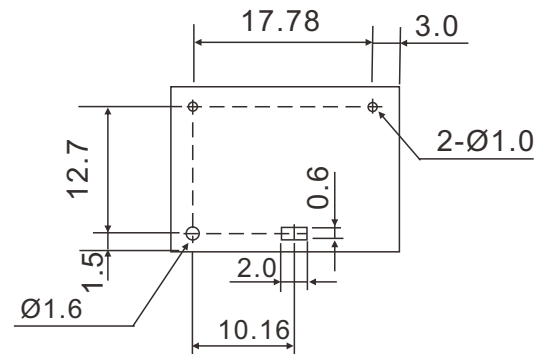
1 Form C



1 Form A



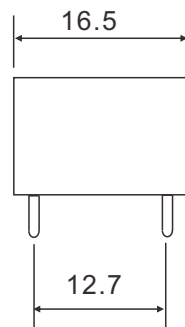
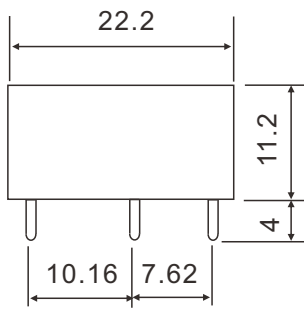
1 Form A



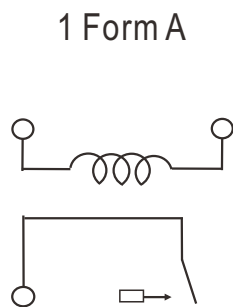
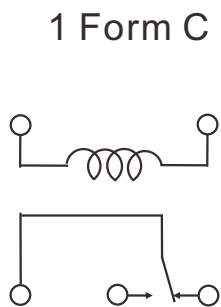
GENERAL DATA

Insulation Resistance	100 MΩ Min. (DC 500V)
Dielectric Strength	750 VAC, 50/60Hz between contact.
	1,500 VAC, 50/60Hz between all elements.
Contact Material	Ag Alloy .
Contact Resistance	100 milliohms max. (initial value)
Shock Resistance	Malfunction: 10G(11ms) ; Destructive: 100G(6ms)
Vibration Resistance	Malfunction: 10 to 55 Hz. at Double Amplitude of 1.5 mm
	Destructive: 10 to 55 Hz. at Double Amplitude of 1.5 mm
Operation Time	10 ms max.
Release Time	4 ms max.
Temperature Range	- 40°C ~ + 70°C
Expected Life	With operation rate 30/min.
	Mechanical - 10,000,000 operations min.
	Electrical - 100,000 operations min. at rated load.
Maximum Switching Power	4000VA 480W
Maximum Switching Voltage	380VAC, 110VDC
Maximum Switching Current	16A
Weight	9 grams

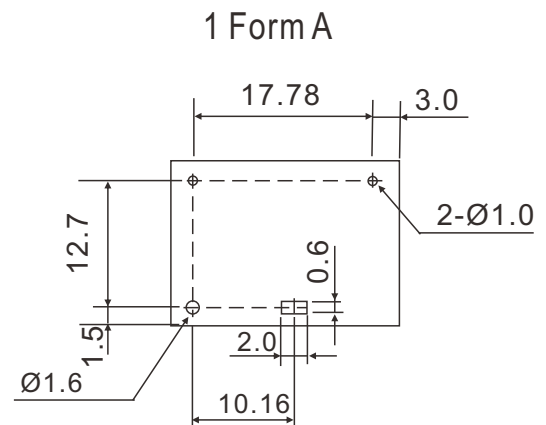
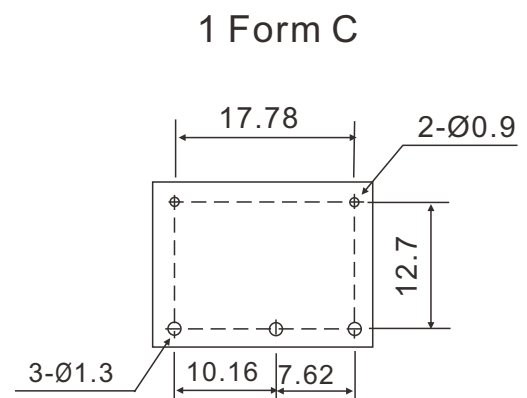
DIMENSIONS(±0.2mm)



WIRING DIAGRAM (BOTTOM VIEW)



P.C.B LAYOUT (BOTTOM VIEW)



GENERAL DATA

Insulation Resistance	100 MΩ Min. (DC 500V)
Dielectric Strength	750 VAC, 50/60Hz between contact.
	1,500 VAC, 50/60Hz between all elements.
Contact Material	Ag Alloy .
Contact Resistance	100 milliohms max. (initial value)
Shock Resistance	Malfunction: 10G(11ms) ; Destructive: 100G(6ms)
Vibration Resistance	Malfunction: 10 to 55 Hz. at Double Amplitude of 1.5 mm
	Destructive: 10 to 55 Hz. at Double Amplitude of 1.5 mm
Operation Time	10 ms max.
Release Time	4 ms max.
Temperature Range	- 40°C ~ + 70°C
Expected Life	With operation rate 30/min.
	Mechanical - 10,000,000 operations min.
	Electrical - 100,000 operations min. at rated load.
Weight	9 grams



RAYEX ELEC.

RMA SERIES

FEATURES

- 5A,10A switching capabilities.
- Subminiature,standard PC layout.
- Sealed&Unsealed types available.



ORDERING INFORMATION

RMA — 12 S

1 2 3 4

1. Type
2. Nil: 1 Form C
1A: 1 Form A
- 3.Coil Nominal Voltage.
- 4.Nil:0.45W
S :0.2W

CONTACT RATING

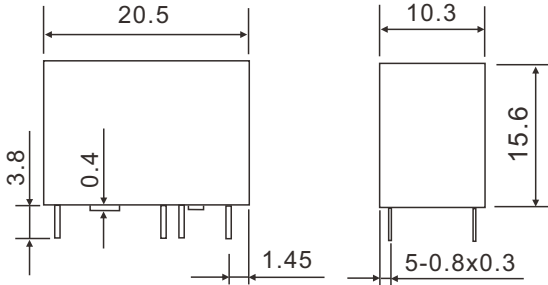
1 Form A(1PST)	Resistive (Cos.θ = 1)	0.45W	AC 125V AC 250 V / DC 30V	10A
	Resistive (Cos.θ = 1)	0.2W		5A
1 Form C(1PDT)	Resistive (Cos.θ = 1)	0.45W	AC 250 V / DC 30V	5A

COIL DATA(0.45W,0.2W at 25°C)

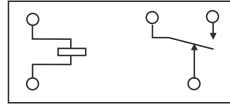
Coil Nominal Voltage (VDC)	Resistance Tol.±10% (Ohms)		Nominal Current (mA)		Maximum Pick Up Voltage (V)	Minimum Drop Out Voltage (V)
	0.45W	0.2W	0.45W	0.2W		
5	55	125	91	40	3.75	0.5
12	320	720	37.5	16.7	9.0	1.2
24	1280	2880	18.8	8.6	18.0	2.4

DIMENSIONS(±0.2mm)

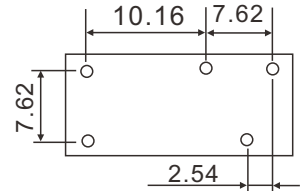
1C



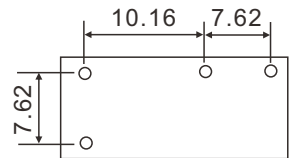
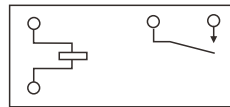
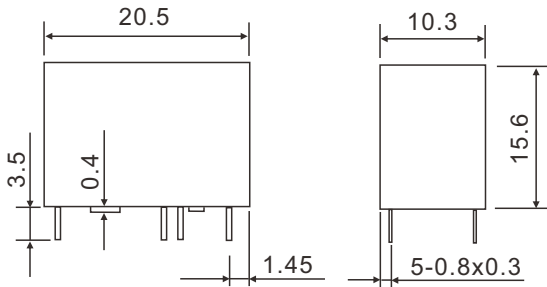
WIRING DIAGRAM
(BOTTOM VIEW)



P.C.B LAYOUT
(BOTTOM VIEW)



1A



GENERAL DATA

Insulation Resistance	1000 MΩ Min. (DC 500V)
Dielectric Strength	1000 VAC, 50/60Hz between contact.
	4000 VAC, 50/60Hz between all elements.
Contact Material	Ag alloy
Contact Resistance	100 milliohms max. (initial value)
Shock Resistance	Malfunction: 30g ; Destructive: 100G(6ms)
Vibration Resistance	Malfunction: 10 to 55 Hz. at Double Amplitude of 1.5 mm
	Destructive: 10 to 55 Hz. at Double Amplitude of 1.5 mm
Operation Time	8 ms max.
Release Time	5 ms max.
Temperature Range	- 40°C ~ + 85°C
Expected Life	With operation rate 30/min.
	Mechanical - 10,000,000 operations min.
	Electrical - 100,000 operations min. at rated load.
Weight	7 grams

FEATURES

- Small size, (20.5×7×15 mm) light weight.
- Switching capacity up to 5A.
- Low coil power consumption 0.2W.

Suitable for household electrical appliance, automation system, electronic equipment, instrument, meter, telecommunication facilities and remote control facilities.



ORDERING INFORMATION

RMB ——— 12
 1 2 3

1. Type
2. 1A: 1 Form A
3. Coil Nominal Voltage.

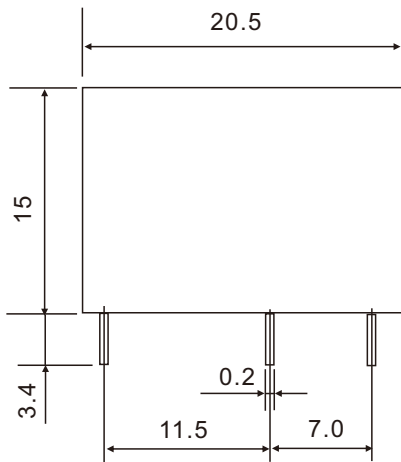
CONTACT RATING

1 Form A(1PST)	Resistive (Cos.θ = 1)	AC 250V/DC 30V	5A
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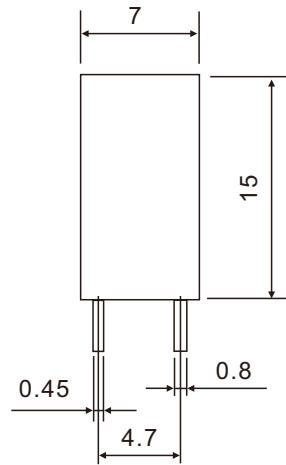
COIL DATA(0.2W at 25°C)

Coil Nominal Voltage (VDC)	Resistance Tol.±10% (Ohms)	Nominal Current (mA)	Maximum Pick Up Voltage (V)	Minimum Drop Out Voltage (V)
5	125	40	3.75	0.5
12	720	16.7	9.0	1.2
24	2800	8.3	18.0	2.4

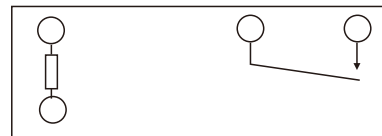
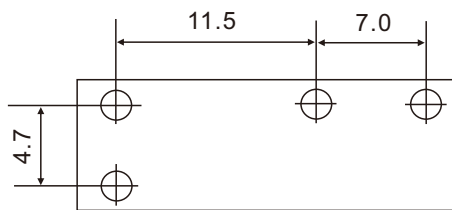
DIMENSIONS(±0.2mm)



P.C.B LAYOUT
(BOTTOM VIEW)



WIRING DIAGRAM
(BOTTOM VIEW)



GENERAL DATA

Insulation Resistance	1000 MΩ Min. (DC 500V)
Dielectric Strength	750 VAC, 50/60Hz between contact.
	4000 VAC, 50/60Hz between all elements.
Contact Material	Ag alloy
Contact Resistance	100 milliohms max. (initial value)
Shock Resistance	Functional:100m/s ² 11ms Survival:1000m/s ² (6ms)
Vibration Resistance	Malfunction: 10 to 55 Hz. at Double Amplitude of 1.5 mm
	Destructive: 10 to 55 Hz. at Double Amplitude of 1.5 mm
Operation Time	10 ms max.
Release Time	10 ms max.
Temperature Range	- 40°C ~ + 85°C
Expected Life	With operation rate 30/min.
	Mechanical - 10,000,000 operations min.
	Electrical - 100,000 operations min. at rated load.
Weight	4 grams

FEATURES

- Small size, (20.5×7×15 mm) light weight.
- Switching capacity up to 5A.
- Low coil power consumption 0.2W.

Suitable for household electrical appliance, automation system, electronic equipment, instrument, meter, telecommunication facilities and remote control facilities.



ORDERING INFORMATION

RMB — **12**
 1 2 3

1. Type
2. 1A: 1 Form A
3. Coil Nominal Voltage.

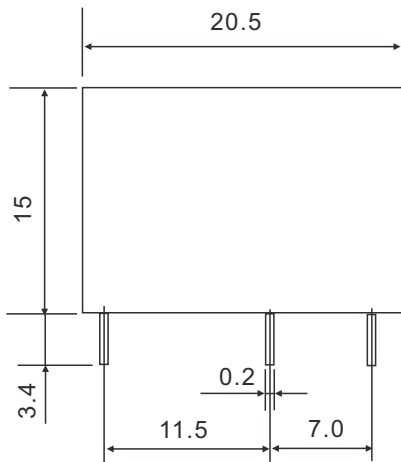
CONTACT RATING

1 Form A(1PST)	Resistive (Cos.θ = 1)	AC 125V	5A
	Resistive (Cos.θ = 1)	AC 250V/DC 30V	3A

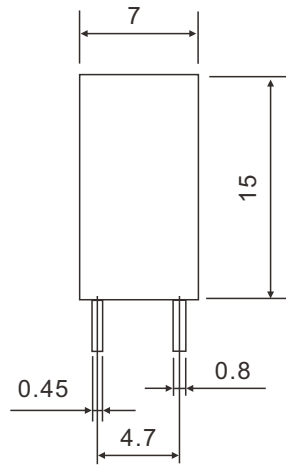
COIL DATA(0.2W at 25°C)

Coil Nominal Voltage (VDC)	Resistance Tol. ±10% (Ohms)	Nominal Current (mA)	Maximum Pick Up Voltage (V)	Minimum Drop Out Voltage (V)
5	125	40	3.75	0.5
12	720	16.7	9.0	1.2
24	2800	8.3	18.0	2.4

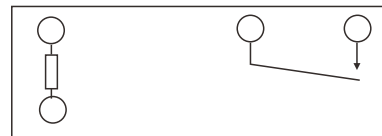
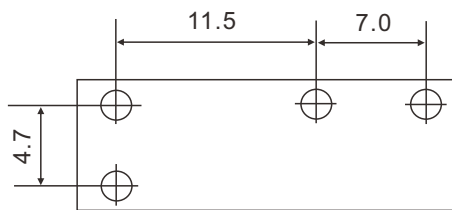
DIMENSIONS(±0.2mm)



P.C.B LAYOUT
(BOTTOM VIEW)



WIRING DIAGRAM
(BOTTOM VIEW)



GENERAL DATA

Insulation Resistance	1000 MΩ Min. (DC 500V)
Dielectric Strength	750 VAC, 50/60Hz between contact.
	4000 VAC, 50/60Hz between all elements.
Contact Material	Ag alloy
Contact Resistance	100 milliohms max. (initial value)
Shock Resistance	Functional:100m/s ² 11ms Survival:1000m/s ² (6ms)
Vibration Resistance	Malfunction: 10 to 55 Hz. at Double Amplitude of 1.5 mm
	Destructive: 10 to 55 Hz. at Double Amplitude of 1.5 mm
Operation Time	10 ms max.
Release Time	10 ms max.
Temperature Range	- 40°C ~ + 85°C
Expected Life	With operation rate 30/min.
	Mechanical - 10,000,000 operations min.
	Electrical - 100,000 operations min. at rated load.
Weight	4 grams