

PRODUCTION WORKSHOP



RELAY SELECTION CHART






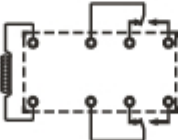


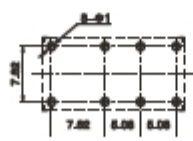
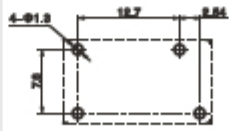
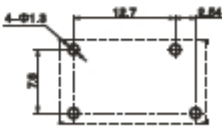



Signal Relay

Type	YSA	YSK	YSU
Appearance			
Dimensions: LxWxH(mm)	12.3x7.4x9.9	15.5x10.5x11.5	15.4x10.2x11.2
Contact Form	1c	1c	1c
Max. Rated Switching Current (Res. Load)	5A		
	4A		
	3A		
	2A		
	1A		
Contact capacity	1A 125VAC 1A 30VDC 2A 24VDC	3A 120VAC 3A 24VDC 1A 120VAC 3A 220VAC	3A 120VAC 3A 24VDC 1A 120VAC 3A 220VAC
Coil Voltage	3-24VDC	3-24VDC	3-24VDC
Coil Power(W)	0.15, 0.20	0.20, 0.36, 0.45	0.20, 0.36, 0.45
Initial Contact Resistance	$\leq 100\text{m}\Omega$	$\leq 100\text{m}\Omega$	$\leq 100\text{m}\Omega$
Initial insulation Resistance	$\geq 100\text{M}\Omega$	$\geq 100\text{M}\Omega$	$\geq 100\text{M}\Omega$
Endurance (Operation)	Electrical	1×10^5	1×10^5
	Mechanical	1×10^7	1×10^7
Initial Dielectric Strength	Between Open Contacts	500VAC	500VAC
	Between Coil and Contacts	1,000VAC	750VAC
Ambient Temperature	-40°C ~ +85°C	-40°C ~ +85°C	-40°C ~ +85°C
Wiring Diagram (Bottom View)			
Layout(mm) (Bottom View)			
Mounting Method	Printed Pattern	Printed Pattern	Printed Pattern
Unit Weight	2.1g	3.7g	3.7g
Safety Approval			

RELAY SELECTION CHART

General Power Relay

Type

Type	YSV	Y32F-5A	Y32F-10A
Appearance			
Dimensions: LxWxH(mm)	20.0x10.0x11.6	18.4x10.2x15.5	18.4x10.2x15.5
Contact Form	2c	1a	1a
Max. Rated Switching Current (Res. Load)	20A		
	15A		
	10A		
	5A		
	3A		
Contact capacity	1A 125VAC 2A 30VDC	5A 250VAC 5A 30VDC 10A 125VAC TV-5 125VAC	10A 250VAC 10A 30VDC 15A 125VAC
Coil Voltage	3-48VDC	3-24VDC	3-24VDC
Coil Power(W)	0.15, 0.20, 0.36, 0.45	0.20, 0.45	0.20, 0.45
Initial Contact Resistance	$\leq 100\text{m}\Omega$	$\leq 50\text{m}\Omega$	$\leq 50\text{m}\Omega$
Initial insulation Resistance	$\geq 1000\text{M}\Omega$	$\geq 1000\text{M}\Omega$	$\geq 1000\text{M}\Omega$
Endurance (Operation)	Electrical	1×10^5	1×10^5
	Mechanical	1×10^7	1×10^7
Initial Dielectric Strength	Between Open Contacts	750VAC	1000VAC
	Between Coil and Contacts	1,000VAC	4000VAC
Ambient Temperature	-40°C ~ +85°C	-40°C ~ +105°C	-40°C ~ +105°C
Wiring Diagram (Bottom View)			
Layout(mm) (Bottom View)			
Mounting Method	Printed Pattern	Printed Pattern	Printed Pattern
Unit Weight	4.6g	3.9g	4.0g
Safety Approval			

Note: Specifications and dimensions in this catalog are subjected to change without notice.

RELAY SELECTION CHART

General Power Relay

Y32F-16A



18.4x10.2x15.5

1a



16A 250VAC
16A 30VDC
20A 125VAC
TV-8 125VAC

5-48VDC

0.36

≤50mΩ

≧100MΩ

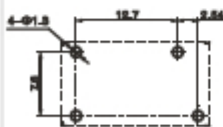
1X10⁵

1X10⁷

1,000VAC

2,000VAC

-40℃ ~ +105℃



Mounting Method

4.0g



Y46F



20.4x7.2x15.1

1a



5A 277VAC
3A 277VAC
3A 30VDC
1/8HP 240VAC

5-24VDC

0.20, 0.36

≤100mΩ

≧1000MΩ

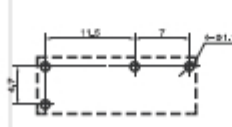
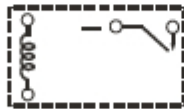
1X10⁵

1X10⁷

750VAC

4,000VAC

-40℃ ~ +105℃



Printed Pattern

3.9g



Y32F-2



20.0x10.0x15.5

1a, 1c



N.O.:
10A 125VAC
5A 250VAC
N.C.:
3A 250VAC

3-24VDC

0.20, 0.45

≤50mΩ

≧1000MΩ

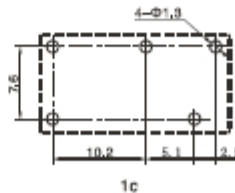
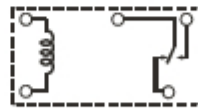
1X10⁵

1X10⁷

1,000VAC

4,000VAC

-40℃ ~ +85℃



Printed Pattern

6.5g



Y49F



20x5.0x12.5

1a



5A 250VAC
5A 30VDC

3~24VDC

0.15, 0.2

≤50mΩ

≧1000MΩ

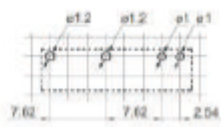
1X10⁵

1X10⁷

1,000VAC

3,000VAC

-40℃ ~ +85℃



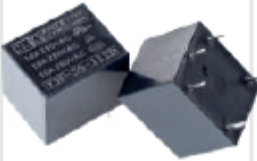


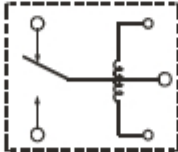
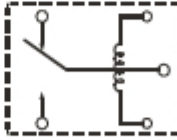
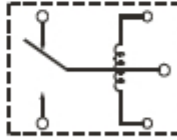
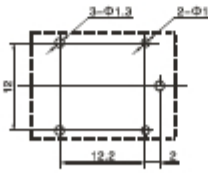
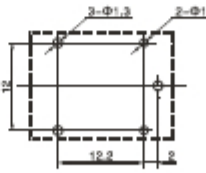
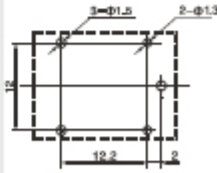



Printed Pattern

3g

RELAY SELECTION CHART

General Power Relay









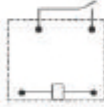
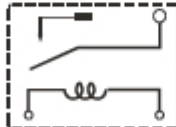

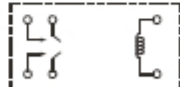
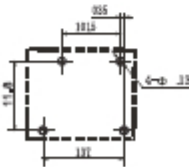
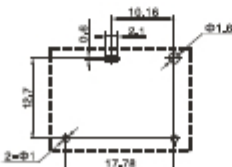
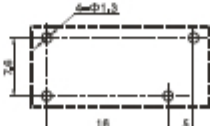
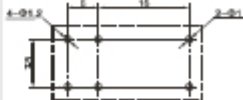

Type

Type		Y3F	Y3F-U	Y3U
Appearance				
Dimensions: LxWxH(mm)		19.1x15.4x15.5	20.3x16.6x20.6	21.2X16X21.8
Contact Form		1a, 1b, 1c	1a, 1b, 1c	1a,1b,1c
Max.Rated Switching Current (Res.Load)	20A			
	15A	█	█	█
	10A			
	5A			
	3A			
Contact capacity		15A 125VAC (Form A) 6A 277VAC (Form A) TV-5 120VAC (Form A) 10A 250VAC 10A 30VDC	15A 125VAC (Form A) 6A 277VAC (Form A) TV-5 120VAC (Form A) 10A 250VAC 10A 30VDC	NO: 17A 250VAC 20A 125VAC TV-5 125VAC 1HP 240VAC 17A 30VDC NC:10A 250VAC 10A 30VDC
Coil Voltage		3-60VDC	3-48VDC	3-48VDC
Coil Power(W)		0.36	0.36,0.45	0.36,0.45
Initial Contact Resistance		≤50mΩ	≤50mΩ	≤50mΩ
Initial insulation Resistance		≥100MΩ	≥100MΩ	≥100MΩ
Endurance (Operation)	Electrical	1X10 ⁵	1X10 ⁵	1X10 ⁵
	Mechanical	1X10 ⁷	1X10 ⁷	1X10 ⁷
Initial Dielectric Strength	Between Open Contacts	750VAC	1000VAC	1,000VAC
	Between Coil and Contacts	1,500VAC	1,500VAC	2,500VAC
Ambient Temperature		-40℃ ~ +105℃	-40℃ ~ +105℃	-40℃ ~ +105℃
Wiring Diagram (Bottom View)				
Layout(mm) (Bottom View)				
Mounting Method		Printed Pattern	Printed Pattern	Printed Pattern
Unit Weight		10g	12.5g	11g
Safety Approval				

Note: Specifications and dimensions in this catalog are subjected to change without notice.




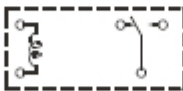
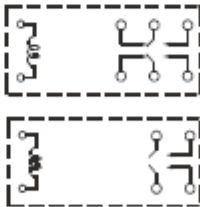
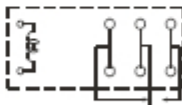
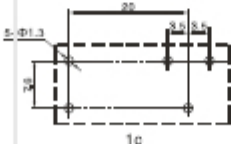

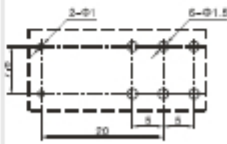



RELAY SELECTION CHART

General Power Relay

Y12F	YTA	YTR	YTU
			
23.3X16.4X10.5	23.0x16.1x10.2	24.4x10.4x24.8	24.4x12.9x24.8
1a	1a	1a	2a
			
10A 250VAC 10A 30VDC 12A 125VAC	15A 125VAC 10A 250VAC 10A 24VDC 16A 250VAC	10A 250VAC 10A 30VDC	5A 250VAC 5A 30VDC
3-24VDC	5-24VDC	3-48VDC	3-48VDC
0.45	0.20	0.25, 0.54	0.54
$\leq 50m\Omega$	$\leq 50m\Omega$	$\leq 50m\Omega$	$\leq 50m\Omega$
$\geq 1000M\Omega$	$\geq 1000M\Omega$	$\geq 1000M\Omega$	$\geq 1000M\Omega$
1×10^5	1×10^5	1×10^5	1×10^5
1×10^7	1×10^7	1×10^7	1×10^7
1,000VAC	1,000VAC	900VAC	1,000VAC
2,500VAC	2,500VAC	4000VAC	3,000VAC
-40°C ~ +85°C	-40°C ~ +85°C	-40°C ~ +85°C	-40°C ~ +85°C
			
			
Printed Pattern	Printed Pattern	Printed Pattern	Printed Pattern
6g	8.6g	11.0g	14.5g
			

RELAY SELECTION CHART

General Power Relay

Type	Y14F-1	Y14F-2	Y14FW
Appearance			
Dimensions: LxWxH(mm)	29.2x12.8x20.6	29.2x12.8x20.6	29.2x12.8x20.6
Contact Form	1a, 1c	2a, 2c	1a, 1c
Max. Rated Switching Current (Res. Load)	30A		
	24A		
	18A		
	12A		
	6A		
Contact capacity	10A 250VAC 10A 30VDC 16A 250VAC	5A 250VAC 5A 24VDC 8A 250VAC	16A 250VAC 16A 240VAC 16A 30VDC
Coil Voltage	3-48VDC	3-48VDC	3-48VDC
Coil Power(W)	0.54, 0.72	0.54, 0.72	0.54, 0.72
Initial Contact Resistance	≤ 50mΩ	≤ 50mΩ	≤ 50mΩ
Initial insulation Resistance	≥ 1000MΩ	≥ 1000MΩ	≥ 1000MΩ
Endurance (Operation)	Electrical	1X10 ⁵	1X10 ⁵
	Mechanical	1X10 ⁷	1X10 ⁷
Initial Dielectric Strength	Between Open Contacts	1,000VAC	1,000VAC
	Between Coil and Contacts	5,000VAC	5,000VAC
Ambient Temperature	-40°C ~ +105°C	-40°C ~ +105°C	-40°C ~ +105°C
Wiring Diagram (Bottom View)			
Layout(mm) (Bottom View)			
Mounting Method	Printed Pattern	Printed Pattern	Printed Pattern
Unit Weight	13.5g	13.5g	12.8g
Safety Approval			

Note: Specifications and dimensions in this catalog are subjected to change without notice.

RELAY SELECTION CHART

General Power Relay

■ Y14FW-115



29.2x12.8x15.7

1a, 1c



16A 250VAC
16A 240VAC
16A 30VDC

5-230VAC/5-110VDC

0.8VA/0.4W

≤50mΩ

≥1000MΩ

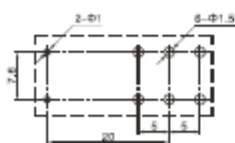
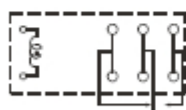
1X10⁵

1X10⁷

1,000VAC

5,000VAC

-40℃ ~ +85℃



Printed Pattern

13.5g



■ Y14F-115-1P



29.2x12.8x15.7

1a, 1c



10A 250VAC
10A 30VDC
16A 250VAC

5-230VAC/5-110VDC

0.8VA/0.4W

≤50mΩ

≥1000MΩ

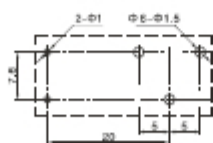
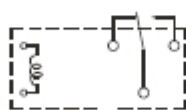
1X10⁵

1X10⁷

1,000VAC

5,000VAC

-40℃ ~ +85℃



Printed Pattern

13.5g



■ Y14F-115-2P



29.2x12.8x15.7

2a, 2c



5A 250VAC
5A 24VDC
8A 250VAC

5-230VAC/5-110VDC

0.8VA/0.4W

≤50mΩ

≥1000MΩ

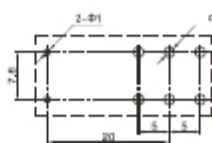
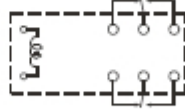
1X10⁵

1X10⁷

1,000VAC

5,000VAC

-40℃ ~ +85℃



Printed Pattern

13.5g



■ YTV



26.5X12.5X28.5

1a



16A 250VAC
16A 30VDC
20A 125VAC

5-48VDC

0.53

≤100mΩ

1000MΩ

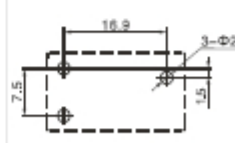
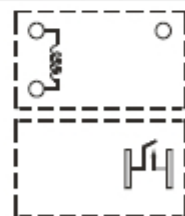
1X10⁵

1X10⁷

1,000VAC

5,000VAC

-40℃ ~ +105℃






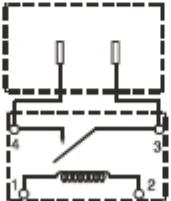
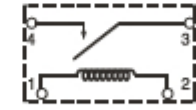



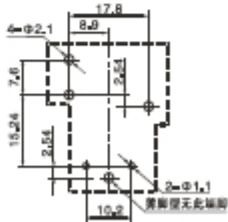



Printed Pattern

15.8g



RELAY SELECTION CHART









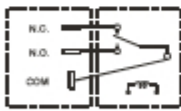
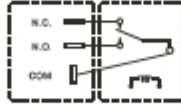
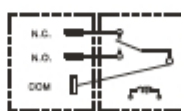

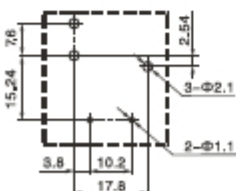
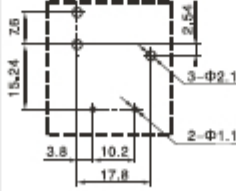
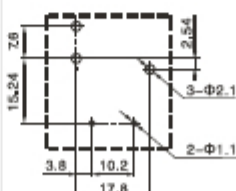
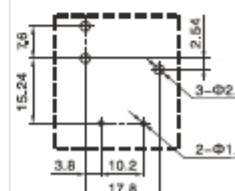




General Power Relay

Type	YTK	YTK-P	Y90
Appearance			
Dimensions: LxWxH(mm)	30.2X15.8X24.3	30.2X15.8X23.5	31.5x27.4x19.8
Contact Form	1a	1a	1a, 1b, 1c
Max. Rated Switching Current (Res. Load)	40A 32A 24A 16A 8A		
Contact capacity	25A 250VAC 20A 250VAC 16A 277VAC 2HP 240VAC TV-10 120VAC	25A 250VAC 20A 250VAC 16A 277VAC 2HP 240VAC TV-10 120VAC	NO: 40A/30A/20A 250VAC 2HP 250VAC TV-8 120VAC NC: 20A/10A 250VAC 20A 277VAC
Coil Voltage	3-48VDC	3-48VDC	3-48VDC 24-277VAC
Coil Power(W)	0.9	0.90	0.9, 1.4 1.2~2.0VA
Initial Contact Resistance	≤50mΩ	≤50mΩ	≤50mΩ
Initial insulation Resistance	≥1000MΩ	≥1000MΩ	≥1000MΩ
Endurance (Operation)	Electrical 1X10 ⁵ Mechanical 1X10 ⁷	1X10 ⁵ 1X10 ⁷	1X10 ⁵ 1X10 ⁷
Initial Dielectric Strength	Between Open Contacts 1,000VAC Between Coil and Contacts 4,500VAC	1,000VAC 4,500VAC	1,500VAC 2,500VAC;4,000VAC
Ambient Temperature	-40℃ ~ +105℃	-40℃ ~ +105℃	-40℃ ~ +105℃
Wiring Diagram (Bottom View)			
Layout(mm) (Bottom View)			
Mounting Method	Printed Pattern	Printed Pattern	Printed Pattern
Unit Weight	28.0g	25.0g	24.0g
Safety Approval			

Note: Specifications and dimensions in this catalog are subjected to change without notice.





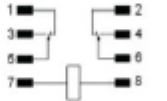
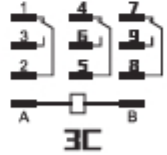
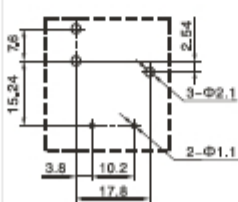
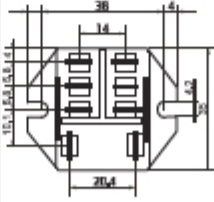
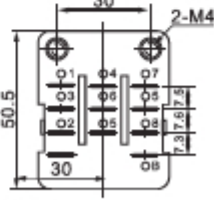

RELAY SELECTION CHART

General Power Relay

Y90-1	Y90-2	Y90-3	Y90-K
			
32.0x27.4x27.9	32.0x27.4x27.9	32.0x27.4x27.9	32.0x27.4x27.9
1a, 1b, 1c	1a, 1b, 1c	1a, 1b, 1c	1a
			
NO: 40A/30A/20A 250VAC 2HP 250VAC TV-8 120VAC NC: 20A/10A 250VAC 20A 277VAC	NO: 40A/30A/20A 250VAC 2HP 250VAC TV-8 120VAC NC: 20A/10A 250VAC 20A 277VAC	NO: 40A/30A/20A 250VAC 2HP 250VAC TV-8 120VAC NC: 20A/10A 250VAC 20A 277VAC	NO: 40A/30A/20A 250VAC 2HP 250VAC TV-8 120VAC
3-48VDC 24-277VAC	3-48VDC 24-277VAC	3-48VDC 24-277VAC	3-48VDC 24-277VAC
0.9, 1.4 1.2~2.0VA	0.9, 1.4 1.2~2.0VA	0.9, 1.4 1.2~2.0VA	0.9, 1.4 1.2~2.0VA
≤50mΩ	≤50mΩ	≤50mΩ	≤50mΩ
≥1000MΩ	≥1000MΩ	≥1000MΩ	≥1000MΩ
1X10 ⁵	1X10 ⁵	1X10 ⁵	1X10 ⁵
1X10 ⁷	1X10 ⁷	1X10 ⁷	1X10 ⁷
1,500VAC	1,500VAC	1,500VAC	1,500VAC
2,500VAC;4,000VAC	2,500VAC;4,000VAC	2,500VAC;4,000VAC	2,500VAC;4,000VAC
-40℃ ~ +105℃	-40℃ ~ +105℃	-40℃ ~ +105℃	-40℃ ~ +105℃
			
			
Printed Pattern 31.0g	Printed Pattern 31.0g	Printed Pattern 29.2g	Printed Pattern 31.0g
			

RELAY SELECTION CHART




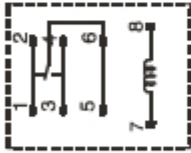
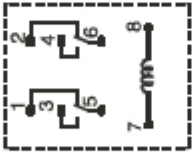
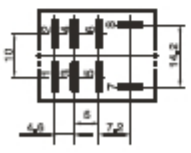
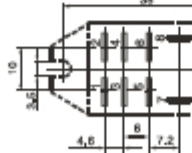
General Power Relay

Type	Y90-L	Y30F	Y38F
Appearance			
Dimensions: LxWxH(mm)	32.0x27.4x27.9	28.2X35X45.5	41X38X55.3
Contact Form	1a	2a,2c	2a,2c ,3a,3c
Max.Rated Switching Current (Res.Load)	40A 32A 24A 16A 8A		
Contact capacity	NO: 40A/30A/20A 250VAC 2HP 250VAC TV-8 120VAC	30A 240VAC 30A 28VDC	NO: 40A 250VAC 40A 30VDC NC: 30A 250VAC 30A 30VDC
Coil Voltage	3-48VDC	12-220VDC 12-220VAC	12-60VDC 12-220VAC
Coil Power(W)	0.9 ,1.4	2.0 ,4VA	2.5 ,5VA
Initial Contact Resistance	$\leq 50m\Omega$	$\leq 50m\Omega$	$\leq 100m\Omega$
Initial insulation Resistance	$\geq 1000M\Omega$	$\geq 100M\Omega$	$\geq 1000M\Omega$
Endurance (Operation)	Electrical	1×10^5	1×10^5
	Mechanical	1×10^7	1×10^6
Initial Dielectric Strength	Between Open Contacts	1,500VAC	1,000VAC
	Between Coil and Contacts	2,500VAC;4,000VAC	2,000VAC
Ambient Temperature	-40°C ~ +105°C	-40°C ~ +70°C	-40°C ~ +70°C
Wiring Diagram (Bottom View)			
Layout(mm) (Bottom View)			
Mounting Method	Screw Thread	Plug-in	Plug-in
Unit Weight	31.0g	80g	120g
Safety Approval			




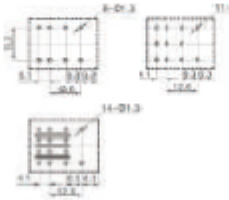
Note: Specifications and dimensions in this catalog are subjected to change without notice.

General Power Relay



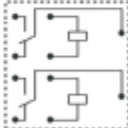
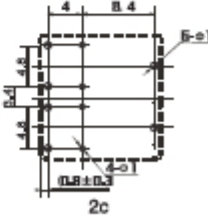
Y13F

	
27.3x21.0x35.2	
1a, 1c	2a, 2c
	
15A 240VAC 15A 24VDC	10A 240VAC 10A 24VDC
6-110VDC, 6-240VAC	
0.9, 1.2VA	
≤50mΩ	
≥500MΩ	
1X10 ⁵	
1X10 ⁷	
1,000VAC	
1,500VAC	
-40°C ~ +70°C	
	
	
PCB, Plug-in, QC, TM	
37.0g	

Y18F- (2, 3, 4)




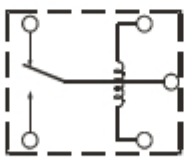
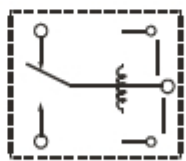
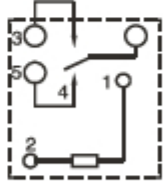
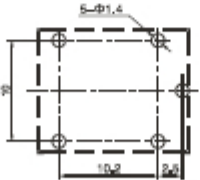
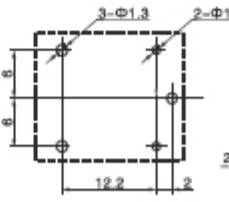
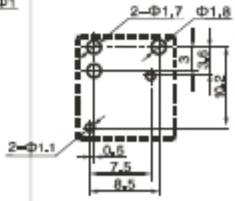


27.3x21.0x35.2
2a,2c/3a,3c/4a,4c

5A 250VAC 5A 28VDC
6-110VDC, 6-240VAC
0.9, 1.2VA
≤50mΩ
≥500MΩ
1X10 ⁵
1X10 ⁷
1,000VAC
1,500VAC
-40°C ~ +70°C


PCB, Plug-in, QC, TM
37.0g

YKA


14X7.2X13.5 (单继电器) 14X15.4X13.5 (双继电器)
1a, 1c, 2a, 2c

25A 16VDC
12VDC
0.64 VA
≤50mΩ
≥100MΩ
1X10 ⁵
1X10 ⁷
500VAC
500VAC


Printed Pattern
4g

RELAY SELECTION CHART









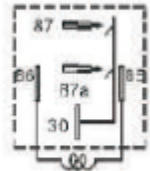

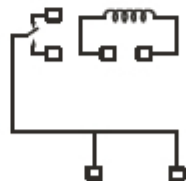
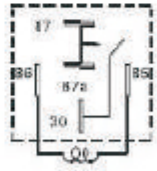

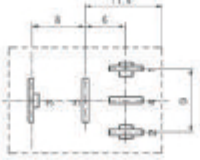
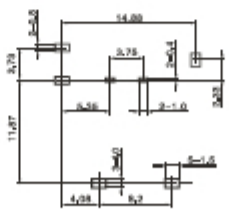
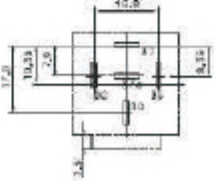
Automotive Relay

Type	YA	YAW	YAK
Appearance			
Dimensions: LxWxH(mm)	15.5x12.1x13.8	19.1x15.4x15.4	12.9x12.0x9.9(单线包) 23.5x12.9x9.9(双线包)
Contact Form	1a, 1b, 1c	1a, 1b, 1c	1a, 1c, 2a, 2c
Max. Rated Switching Current (Res. Load)	40A 32A 24A 16A 8A		
Contact capacity	7A 250VAC 20A 14VDC	15A 14VDC	NO/NC: 30A/25A 14VDC 25A/20A 14VDC
Coil Voltage	3-24VDC	12-48VDC	6-24VDC
Coil Power(W)	0.36, 0.6, 0.8	0.80	0.55, 0.80
Initial Contact Resistance	$\leq 50m\Omega$	$\leq 50m\Omega$	$\leq 100m\Omega$
Initial insulation Resistance	$\geq 100M\Omega$	$\geq 100M\Omega$	$\geq 100M\Omega$
Endurance (Operation)	Electrical	1×10^5	1×10^5
	Mechanical	1×10^7	1×10^7
Initial Dielectric Strength	Between Open Contacts	500VAC	750VAC
	Between Coil and Contacts	500VAC	1,500VAC
Ambient Temperature	-40°C ~ +105°C	-40°C ~ +125°C	-40°C ~ +125°C
Wiring Diagram (Bottom View)			
Layout(mm) (Bottom View)			
Mounting Method	Printed Pattern	Printed Pattern	Printed Pattern
Unit Weight	6.0g	8.5g	4.0/8.0g
Safety Approval			

Note: Specifications and dimensions in this catalog are subjected to change without notice.

RELAY SELECTION CHART

Automotive Relay

YAF	YAM	YAR	YAE
			
28.0x28.0x25.0	22.8*14.8*26	27.0x22.0x23.0	26.0x26.0x25.0
1a, 1b, 1c, 2a	1a, 1c	1a, 1b, 1c	1a, 2a, 1c
			
1a/2a: 40A 14VDC 1b: 30A 14VDC 1c: 40A/30A 14VDC	30A 10VDC	1a: 40A 14VDC 1b: 30A 14VDC 1c: 40A/30A 14VDC	1a, 2a: 40A 14VDC 1c: NO/NC 标准型: 30/20A 14VDC 高负载型: 40/30A 14VDC
5-24VDC	5-24VDC	3-24VDC	12VDC 24VDC
1.80, 1.60	1.6W/1.8W	1.60	1.80, 1.60
≤50mΩ	≤50mΩ	≤50mΩ	≤50mΩ
≥100MΩ	≥100MΩ	≥500MΩ	≥100MΩ
1X10 ⁵	1X10 ⁵	1X10 ⁵	1X10 ⁵
1X10 ⁷	1X10 ⁷	1X10	1X10 ⁷
500VAC	700VAC	500VAC	500VAC
500VAC	700VAC	500VAC	500VAC
-40℃ ~ +125℃	-40℃ ~ +125℃	-40℃ ~ +125℃	-40℃ ~ +125℃
			
			
Printed Pattern 32.5g	Printed Pattern 36.0g	Printed Pattern 16.0g/20.5g	QC, Plug-in 35.5g

RELAY SELECTION CHART

Automotive Relay

Type

Appearance	
Dimensions: LxWxH(mm)	
Contact Form	
Max. Rated Switching Current (Res. Load)	150A 120A 90A 60A 30A
Contact capacity	
Coil Voltage	
Coil Power(W)	
Initial Contact Resistance	
Initial insulation Resistance	
Endurance (Operation)	Electrical Mechanical
Initial Dielectric Strength	Between Open Contacts Between Coil and Contacts
Ambient Temperature	
Wiring Diagram (Bottom View)	
Layout(mm) (Bottom View)	
Mounting Method	
Unit Weight	
Safety Approval	

YAL



28.0x28.0x26.0

1a, 1c



70A 14VDC
80A 14VDC

3-48VDC

1.6, 2.0

≤50mΩ

≥500MΩ

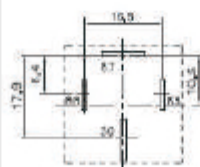
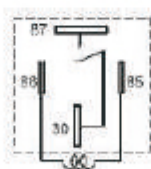
1X10⁵

1X10⁷

500VAC

500VAC

-40°C ~ +125°C



Printed Pattern

36.0g

Magnetic Relay

Y60



39.1x30.9x17.0

1b



60A 250VAC

6-24VDC

1.0, 2.0

≤1.5mΩ

≥100MΩ

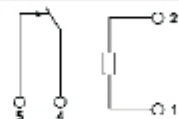
1X10⁶

7 5X10⁵

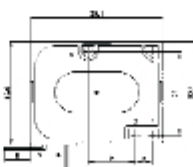
1,500VAC

4,000VAC

-40°C ~ +70°C



1(+)-2(-) 4-5断开
2(+)-1(-) 4-5闭合
6 定位针脚(可选)



Screw, Requirement

36.0g

Y80



36.6x30.0x18.0

1b



60A 250VAC
80A 250VAC

6-24VDC

1.2, 2.4

≤1.5mΩ

≥100MΩ

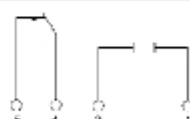
1X10⁴

5X10⁵

1,500VAC

4,000VAC

-40°C ~ +70°C



1(+)-2(-) 4-5断开
2(+)-1(-) 4-5闭合
6 定位针脚(可选)









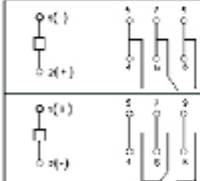
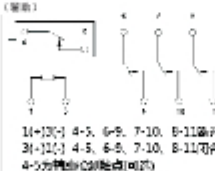

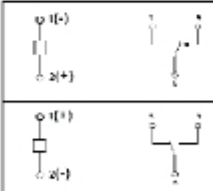
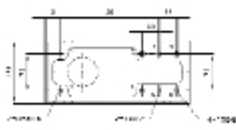
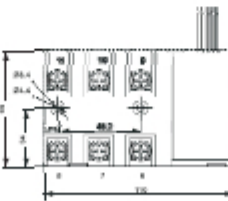
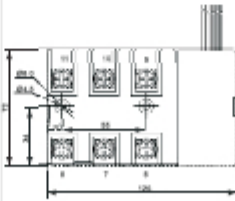
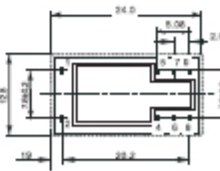


Screw, Requirement

45.0g







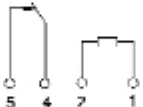
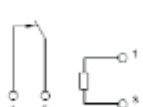

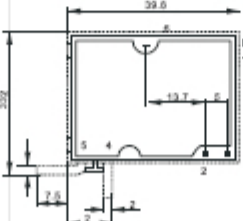
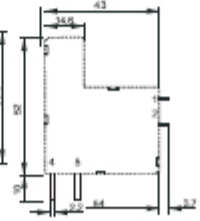
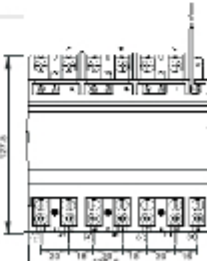
RELAY SELECTION CHART

Magnetic Relay

Y16	Y100	Y150	Y10
			
29.0x12.0x24.5	110.0x70.0x30.0	125.0x72.0x34.0	24.0x13.0x17.0
1b, 1c	3b	3b	1b, 1c, 2b, 2c
			
16A 250VAC	100A 250VAC	150A 250VAC	5A 250VAC 10A 250VAC
5-24VDC	9-24VDC	3-48VDC	3-24VDC
1.0, 2.0	2.5, 5.0	8.0, 16.0	0.64, 1.28
$\leq 100\text{m}\Omega$	$\leq 2\text{m}\Omega$	$\leq 2\text{m}\Omega$	$\leq 100\text{m}\Omega$
$\geq 100\text{M}\Omega$	$\geq 100\text{M}\Omega$	$\geq 100\text{M}\Omega$	$\geq 100\text{M}\Omega$
1×10^6	5×10^5	5×10^5	1×10^5
5×10^5	5×10^5	5×10^5	5×10^5
750VAC	2,000VAC	2,000VAC	750VAC
2,000VAC	4,000VAC	4,000VAC	4,000VAC
-40°C ~ +70°C	-40°C ~ +70°C	-40°C ~ +70°C	-40°C ~ +70°C
	 (备注) 1)-(2)-() 4-5, 6-9, 7-10, 8-11触点 2)-(1)-() 4-5, 6-9, 7-10, 8-11触点 4-5为常闭触点(同5)	 (备注) 1)-(2)-() 4-5, 6-9, 7-10, 8-11触点 4)-(1)-() 4-5, 6-9, 7-10, 8-11触点 4-5为常闭触点(同5)	
			
Screw Requirement 18.0g	Screw Requirement 440.0g	Screw Requirement 660.0g	Screw Requirement 12.0g

RELAY SELECTION CHART

Magnetic Relay

Type	Y100F	Y120	Y100K	
Appearance				
Dimensions: LxWxH(mm)	40.0x31.0x21.0	52.0x43.0x22.0	130.0x130.0x41.0	
Contact Form	1b	1b	3b	
Max. Rated Switching Current (Res. Load)				
Contact capacity	100A 250VAC	120A 250VAC	100A 250VAC	
Coil Voltage	6-24VDC	6-24VDC	24-110VDC	
Coil Power(W)	2.0, 4.0	3.0, 6.0	30.0	
Initial Contact Resistance	$\leq 2m\Omega$	$\leq 2m\Omega$	$\leq 2m\Omega$	
Initial insulation Resistance	$\geq 100M\Omega$	$\geq 100M\Omega$	$\geq 100M\Omega$	
Endurance (Operation)	Electrical	1×10^4	1×10^4	5×10^3
	Mechanical	5×10^5	5×10^5	5×10^5
Initial Dielectric Strength	Between Open Contacts	1,500VAC	2,000VAC	2,500VAC
	Between Coil and Contacts	4,000VAC	4,000VAC	4,000VAC
Ambient Temperature	-40°C ~ +70°C	-40°C ~ +70°C	-40°C ~ +70°C	
Wiring Diagram (Bottom View)	 <p>1(+)-2(+)-4-5断开 2(+)-1(-)-4-5闭合 6定位针脚(可选)</p>	 <p>1(+)-3(-) 4-5断开 3(+)-1(-) 4-5闭合</p>	 <p>1(+)-3(-) A-4L D-2L C-C1209-4-20T 3(+)-2(-) 4-5L E-1-2-C1209-4-20T 4-5V(线圈插脚)</p>	
Layout(mm) (Bottom View)				
Mounting Method	Screw, Requirement	PCB	PCB	
Unit Weight	65.0g	68.0g	715.0g	
Safety Approval				

Note: Specifications and dimensions in this catalog are subjected to change without notice.

Solid State Relay

Type	DC controlled AC YZ1-SS-0032/250-250/ 44010-120	DC controlled DC YZ1-SS-2032/250-250/ 44010-120	DC controlled DC YZ1-SS-1032/250-250/ 44010-120
Appearance			
Control Voltage	5-32VDC	3-32VDC	90-250VDC
Control Current	6-35mA	6-25mA	5-30mA
Load Voltage	24-240VAC 40-440VAC	12-240VDC	12-240VDC
Load Current	10A, 15A, 20A, 25A, 30A, 40A	10A, 15A, 20A, 25A, 30A, 40A, 60A, 80A, 100A, 120A	10A, 15A, 20A, 25A, 30A, 40A, 60A, 80A, 100A, 120A
On Voltage Drop	$\leq 1.2\text{VAC}$	$\leq 1.6\text{VAC}$	$\leq 1.6\text{VAC}$
Turn Off Time	<5ms	<10ms	<10ms
Breakage Leakage Current	<5mA	<10mA	<10mA
Initial Dielectric Strength	$\geq 2500\text{VAC}$	$\geq 2500\text{VAC}$	$\geq 2500\text{VAC}$
Ambient Temperature	-30~80℃	-30~80℃	-30~80℃
Dimensions	60x45x27.5mm	60x45x27.5mm	60x45x27.5mm
Layout(mm) (Bottom View)			
Mounting Method	Screw	Screw	Screw
Explain	负载10A以上必须安装散热器80℃以上必须加风扇强冷或水冷	负载10A以上必须安装散热器80℃以上必须加风扇强冷或水冷	负载10A以上必须安装散热器80℃以上必须加风扇强冷或水冷