

Note:

The SSR proposes using in 40°C of working environment, increase by 1.25 amps each time, working environment temperature will increase by 10°C, 80°C of supreme upper limit.

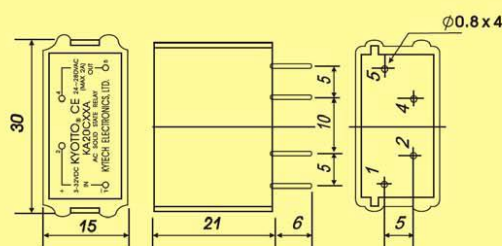
KA	KB	KC
		
DC-AC	DC-AC	CURRENT -VAC
KA20C02A KA20C04A	KB20C02A KB20C03A KB20C04A KB20C05A KB20C06A	KB40C02A KB40C03A KB40C04A KB40C05A KB40C06A
	KC2010AX KC2015AX KC2025AX KC2040AX KC2050AX KC2075AX KC2090AX	KC4010AX KC4015AX KC4025AX KC4040AX KC4050AX KC4075AX KC4090AX

INPUT	KA		KB		KC	
	KA20C02A KA20C04A		KB20C02A KB20C03A KB20C04A KB20C05A KB20C06A		KC2010AX KC2015AX KC2025AX KC2040AX KC2050AX KC2075AX KC2090AX	
Control Voltage Range	3~32VDC		3~32VDC		4~20mA or 0~10VDC	
Must Turn Off Voltage	Max 1.0VDC		Max 1.0VDC		Max 3.0VDC	
Input Timpedance	1.5 Kohm		1.5 Kohm		1.5 Kohm	
OUTPUT	Max Load Current		2A / 4A		2A, 3A, 4A, 5A, 6A	
	Load Voltage Range		24~280VAC		24~280VAC	
	Min. Blocking Voltage		600VAC peak		600VAC peak	
	Max Off-State Leakage		Less 3mA		Less 3mA	
	Max 1-cycle Peak Surge		20A / 40A		20A, 30A, 40A, 50A, 60A	
	Max Off State dv/dt		200V/μSEC		200V/μSEC	
GENERAL RATING	Isolate Impedence		10 ⁹ ohm		10 ⁹ ohm	
	Dielectric Strength Input-Output		2500VAC rms		2500VAC rms	
	Dielectric Strength Input, Output, Case		—		—	
	Turn On Time		Less 2m SEC		Less 2m SEC	
	Turn Off Time		Less 1/2AC cycle		Less 1/2AC cycle	
	Frequency Range		47~70Hz		47~70Hz	
	Operating Temperature		-20° ~ 80°C		-20° ~ 80°C	
	Switching Type		Zero Cross		Zero Cross	
	Weight (g)		15g		12g	

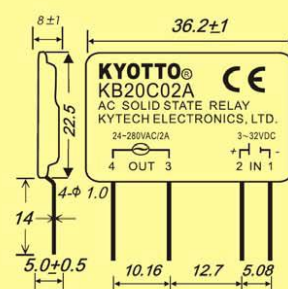
OUTLINE DIMENSIONS

(unit:mm)

KA/KE Series

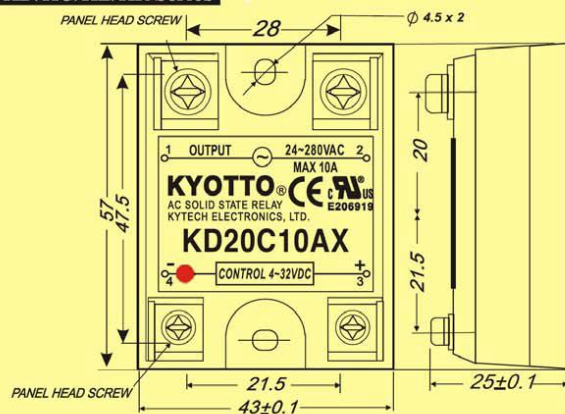


KB/KF/KM/KN Series

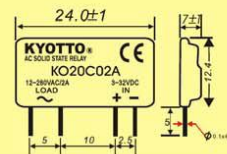


KD		KE		KF	KG	
						
DC-AC		DC-DC		DC-DC	DC-DC	
KD20C10AX KD20C15AX KD20C25AX KD20C40AX KD20C50AX KD20C75AX KD20C90AX KD20C100AX KD20C125AX	KD40C10AX KD40C15AX KD40C25AX KD40C40AX KD40C50AX KD40C75AX KD40C90AX KD40C100AX KD40C125AX	KE0602D KE0604D	KE2002D KE2004D	KF0602D KF0604D	KG1005D KG1010D KG1025D KG1040D KG1050D KG1075D	KG2010D KG2025D KG2040D KG2050D KG2075D
4~32 VDC		3~32VDC		3~32VDC	3~32VDC	4~32VDC
Max 1.0VDC		Max 1.0VDC		Max 1.0VDC	Max 1.0VDC	
1.5 Kohm		1.5 Kohm		1.5 Kohm	1.5 Kohm	
10A, 15A, 25A, 40A, 50A, 75A, 90A, 100A, 125A		2A, 4A	2A, 4A	2A / 4A	5A, 10A, 25A, 40A, 50A, 75A	
24~280VAC	48~480VAC	3~60 VDC	5~200VDC	3~60VDC	5~120VDC	5~240VDC
600VAC peak	1200VAC peak	80 VDC	300 VDC	80 VDC	140 VDC	140 VDC
Less 3mA	Less 5 mA	Less 2 mA	Less 3 mA	Less 2 mA	Less 2mA	Less 3mA
100A, 150, 250A, 400A, 500A, 750A, 900A, 1000A, 1250A		3A, 8.5A		3A, 8.5A	25A, 50A, 100A 200A, 250A, 375A	50A, 100A 200A, 250A, 375A
500 V/ μ SEC	1000 V/ μ SEC	200V/ μ SEC		200V/ μ SEC	100V/ μ SEC	200V/ μ SEC
10 $^{\circ}$ ohm		10 $^{\circ}$ ohm		10 $^{\circ}$ ohm	10 $^{\circ}$ ohm	
4000VAC rms		2500VAC rms		2500VAC rms	4000VAC rms	
4000VAC rms		—		—	4000VAC rms	
Less 2m SEC		Less 2m SEC		Less 2m SEC	Less 2m SEC	
Less 1/2AC cycle		Less 2m SEC		Less 2m SEC	Less 2m SEC	
47~70Hz		47~70Hz		47~70Hz	47~70Hz	
-20 $^{\circ}$ ~ 80 $^{\circ}$ C		-20 $^{\circ}$ ~ 80 $^{\circ}$ C		-20 $^{\circ}$ ~ 80 $^{\circ}$ C	-20 $^{\circ}$ ~ 80 $^{\circ}$ C	
Zero Cross		N/A		N/A	N/A	
100g		15g		10g, 12g	100g	

KC/KD/KG/KL/KR Series

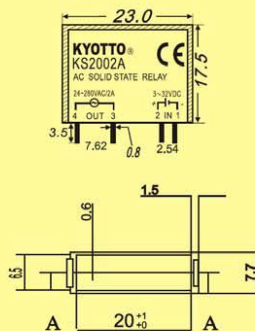


KO Series

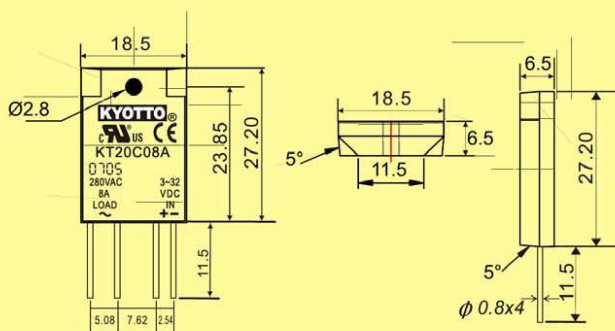


KL	KM	KN	KN	KO		
						
AC-AC	AC-AC	AC-DC	AC-DC	DC-AC		
KL20C10AX KL20C15AX KL20C25AX KL20C40AX KL20C50AX KL20C75AX KL20C90AX KL20C100AX KL20C125AX	KL40C10AX KL40C15AX KL40C25AX KL40C40AX KL40C50AX KL40C75AX KL40C90AX KL40C100AX KL40C125AX	KM20C02A KM20C04A KM20C06A	KN0602D KN0604D	KN1010D KN1025D	KN2010D KN2025D	KO20C01A K020C02A
80~280VAC		80~280VAC	80~280 VAC	80~280 VAC	80~280 VAC	3~32VDC
Max 10 VAC		Max 10 VAC	Max 10VAC	Max 10 VAC	Max 10 VAC	Max 1.0 VAC
1.5 Kohm		1.5 Kohm	1.5 Kohm	1.5 Kohm	1.5 Kohm	1.5 Kohm
10A, 15A, 25A, 40A, 50A, 75A, 90A, 100A, 125A		2A, 4A, 6A	2A, 4A	10A, 25A	10A, 25A	1A, 2A
24~280VAC	48~480VAC	24~280VAC	3~60VDC	5~120VDC	5~240VDC	12~280VAC
600VAC peak	1200VAC peak	600VAC peak	80 VDC	140VDC	300VDC	600VAC peak
Less 3 mA	Less 5 mA	Less 5 mA	Less 2mA	Less 3mA	Less 5mA	Less 3mA
100A, 150, 250A, 400A, 500A, 750A, 900A, 1000A, 1250A		20A, 40A, 60A	3A, 8.5A	15A, 35A	15A, 35A	10A, 20A
500 V/ μ SEC	1000 V/ μ SEC	2A, 4A:100 V/ μ SEC 6A:200 V/ μ SEC	200V/ μ SEC	100V/ μ SEC	200V/ μ SEC	250V/ μ SEC
10 ⁹ ohm		10 ⁹ ohm	10 ⁹ ohm	10 ⁹ ohm	10 ⁹ ohm	10 ⁹ ohm
4000VAC rms		2500VAC rms	2500VAC rms	4000VAC rms	4000VAC rms	2500VAC rms
4000VAC rms		—	—	4000VAC rms	4000VAC rms	—
Less 2m SEC		Less 2m SEC	Less 2m SEC	Less 2m SEC	Less 2m SEC	Less 2m SEC
Less ½ AC cycle		Less ½ AC cycle	Less ½ AC cycle	Less 2m SEC	Less 2m SEC	Less 2m SEC
47~70Hz		47~70Hz	47~70Hz	47~70Hz	47~70Hz	47~70Hz
-20° ~ 80°C		-20° ~ 80°C	-20° ~ 80°C	-20° ~ 80°C	-20° ~ 80°C	-20° ~ 80°C
Zero Cross		Zero Cross	N/A	N/A	N/A	Zero Cross
100g		12g	12g	95g	95g	1.5g

KS Series



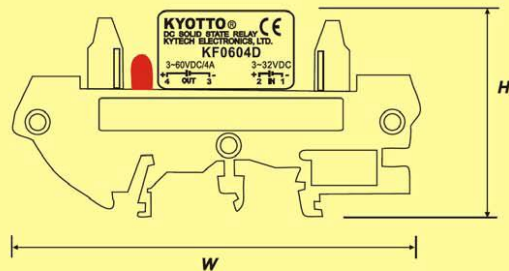
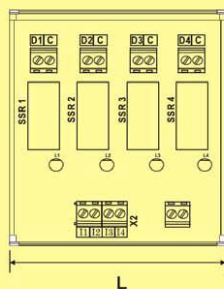
KT Series



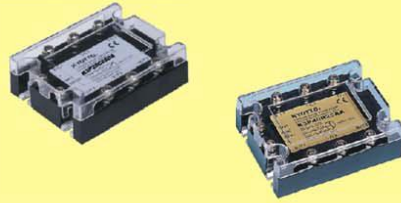
KR		KR		KS		KT		I/O Module	
									
VR-AC		VR-AC		DC-AC DC-AC DC-DC		DC-AC DC-AC DC-DC		1, 2, 4, 8 Port	
KR2010AX KR2015AX KR2025AX KR2040AX KR2050AX KR2075AX KR2090AX		KR4025AX KR4040AX KR4050AX KR4075AX KR4090AX		KS2002A KS4002A KS0602D		KT20C08A KT20R08A KT20C12A KT20R12A KT20C16A KT20R16A		I/O-1-KB20C04A I/O-2-KB20C04A I/O-4-KB20C04A I/O-8-KB20C04A	I/O-1-KF0604D I/O-2-KF0604D I/O-4-KF0604D I/O-8-KF0604D
VR 0 ~ 500 K Ω		VR 0 ~ 1 M Ω		3~32VDC 3~32VDC 3~32VDC		3~32VDC 3~32VDC		3~32VDC 3~32VDC	
—		—		MAX 1.0VDC MAX 1.0VDC MAX 1.0VDC		MAX 1.0VDC MAX 1.0VDC		Max. 1.0VDC Max. 1.0VDC	
1.5 Kohm		1.5 Kohm		1.5 Kohm 1.5 Kohm 1.5 Kohm		1.5 Kohm 1.5 Kohm		1.5 Kohm 1.5 Kohm	
10A, 15A, 25A, 40A, 50A, 75A, 90A		25A, 40A, 50A, 75A, 90A		2A 2A 2A		8A, 12A, 16A 8A		4A 4A	
24~280VAC		48~480VAC		24~280VAC 48~480VAC 3~60VDC		24~280VAC 3~100VDC		24~280VAC 3~60VDC	
600VAC peak		1200VAC peak		600VAC peak 1200VAC peak 80VDC		600VAC peak 400VDC		600VAC peak 80VDC	
Less 3mA		Less 5mA		Less 3mA Less 5mA Less 1mA		Less 3mA Less 2mA		Less 3mA Less 2mA	
100A, 150A, 250A, 400A, 500A, 750A, 900A		250A, 400A, 500A, 750A, 900A		20A 20A 20A		80A, 120A, 160A 16A		40A 40A	
500V/ μ SEC		1000V/ μ SEC		200V/ μ SEC 1000V/ μ SEC 200V/ μ SEC		200V/ μ SEC 200V/ μ SEC		200V/ μ SEC 200V/ μ SEC	
10 $^{\circ}$ ohm		10 $^{\circ}$ ohm		10 $^{\circ}$ ohm 10 $^{\circ}$ ohm 10 $^{\circ}$ ohm		10 $^{\circ}$ ohm 10 $^{\circ}$ ohm		10 $^{\circ}$ ohm 10 $^{\circ}$ ohm	
—		—		2500VAC rms 2500VAC rms		2500VAC rms 2500VAC rms		2500VAC rms 2500VAC rms	
4000VAC rms		4000VAC rms		—		—		—	
Less 2m SEC		Less 2m SEC		Less 2m SEC Less 2m SEC		Less 2m SEC Less 2m SEC		Less 2m SEC Less 2m SEC	
Less 1/2 AC cycle		Less 1/2 AC cycle		Less 1/2 AC cycle Less 2m SEC		Less 1/2 AC cycle Less 2m SEC		Less 1/2 AC cycle Less 1/2 AC cycle	
47~70Hz		47~70Hz		47~70Hz 47~70Hz		47~70Hz 47~70Hz		47~70Hz 47~70Hz	
-20 $^{\circ}$ ~ 80 $^{\circ}$ C		-20 $^{\circ}$ ~ 80 $^{\circ}$ C		-20 $^{\circ}$ ~ 80 $^{\circ}$ C -20 $^{\circ}$ ~ 80 $^{\circ}$ C		-20 $^{\circ}$ ~ 80 $^{\circ}$ C -20 $^{\circ}$ ~ 80 $^{\circ}$ C		-20 $^{\circ}$ ~ 80 $^{\circ}$ C -20 $^{\circ}$ ~ 80 $^{\circ}$ C	
N/A		N/A		Zero Cross N/A		Zero Cross Random Turn		N/A	
100g		100g		6g 6g		12g 12g		1port:25g 4port:107.5g 2port:62.5g 8port:186.5g	

I/O Module

Model	Dimension (LxWxH)mm
I/O-1 port	14x87x51
I/O-2 port	34x87x51
I/O-4 port	64x87x51
I/O-8 port	124x87x51



3 PHASE Series



3 PHASE 2 Line Series



Heater Load Only

K3P20C25DA	K3P40C25DA	K3P20C25AA	K3P40C25AA	K3P20C25DA-2L	K3P40C25DA-2L	K3P20C25AA-2L	K3P40C25AA-2L
K3P20C125DA	K3P40C125DA	K3P20C125AA	K3P40C125AA	K3P20C125DA-2L	K3P40C125DA-2L	K3P20C125AA-2L	K3P40C125AA-2L

Inductive Load Only

K3P20R25DA	K3P40R25DA	K3P20R25AA	K3P40R25AA	K3P20R25DA-2L	K3P40R25DA-2L	K3P20R25AA-2L	K3P40R25AA-2L
K3P20R125DA	K3P40R125DA	K3P20R125AA	K3P40R125AA	K3P20R125DA-2L	K3P40R125DA-2L	K3P20R125AA-2L	K3P40R125AA-2L

INPUT	Control Voltage Range	6-32VDC	12-32VDC	80-280VAC	5-32VDC	10-32VDC	80-280VAC		
	Must Turn Off Voltage	Max 3.0VDC		Max 10 VAC		Max 3.0VDC		Max 10 VAC	
	Input Timpedance	1.5 Kohm							
OUTPUT	Max Load Current	25A,40A,50A, 75A, 90A, 100A , 125A							
	Load Voltage Range	24-280VAC	48-480VAC	24-280VAC	48-480VAC	24-280VAC	48-480VAC	24-280VAC	48-480VAC
	Blocking Voltage	600VAC _{peak}	1200VAC _{peak}	600VAC _{peak}	1200VAC _{peak}	600VAC _{peak}	1200VAC _{peak}	600VAC _{peak}	1200VAC _{peak}
	Max Off-State Leakage	Less 10mA							
	Max 1-cycle Peak Surge	250A,400A,500A, 750A, 900A, 1000A , 1250A							
GENERAL RATING	Max Off State dv/dt	500V/ μ SEC	1000V/ μ SEC	500V/ μ SEC	1000V/ μ SEC	500V/ μ SEC	1000V/ μ SEC	500V/ μ SEC	1000V/ μ SEC
	Isolate Impedence	10 ⁹ ohm							
	Dielectric Strength Input-Output	4000VAC rms							
	Dielectric Strength Input , Output- Case	4000VAC rms							
	Turn On Time	Less 2m SEC							
	Turn Off Time	Less 1/2AC cycle							
	Frequency Range	47~70Hz							
	Operating Temperature	-20 ^o ~ 80 ^o C							
	Switching Type	C:Zero Cross				R:Random Switching			
	Weight (g)	400g							

OUTLINE DIMENSIONS

(unit:mm)

3 PHASE Series

3 PHASE 2 Line Series

