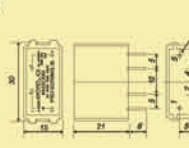
Note:
The SSR proposes using in 40°C of working environment, increase by 1.25 amps each time, working environment temperature will increase by 10°C, 80°C of supreme upper limit.

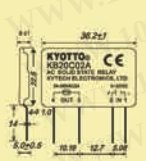
	KA	KB	KC	KD	KE	KF	KG	KL	KM	KN	KN	KO	KR	KR	KS	KT	I/O Module
	DC-AC	DC-AC	CURRENT -VAC	DC-AC	DC-DC	DC-DC	DC-DC	AC-AC	AC-AC	AC-DC	AC-DC	DC-AC	VR-AC	VR-AC	DC-AC DC-AC DC-DC	DC-AC DC-AC DC-DC	1, 2,4,8 Port
	KA20C02A KA20C04A	KB20C02A KB40C02A KB20C03A KB40C03A KB20C04A KB40C04A KB20C05A KB40C05A KB20C06A KB40C06A	KC2010AX KC4010AX KC2015AX KC4015AX KC2025AX KC4025AX KC2040AX KC4040AX KC2050AX KC4050AX KC2075AX KC4075AX KC2090AX KC4090AX	KD20C15AX KD40C15AX KD20C15AX KD40C15AX KD20C25AX KD40C25AX KD20C40AX KD40C40AX KD20C50AX KD40C50AX KD20C75AX KD40C75AX KD20C90AX KD40C90AX KD20C100AX KD40C100AX KD20C125AX KD40C125AX	KE0602D KE2002D KE0604D KE2004D	KF0602D KF0604D	KG1005D KG2010D KG1010D KG2025D KG1025D KG2040D KG1040D KG2050D KG1050D KG2075D KG1075D	KL20C10AX KL40C10AX KL20C15AX KL40C15AX KL20C25AX KL40C25AX KL20C40AX KL40C40AX KL20C50AX KL40C50AX KL20C75AX KL40C75AX KL20C90AX KL40C90AX KL20C100AX KL40C100AX KL20C125AX KL40C125AX	KM20C02A KM20C04A KM20C06A	KN0602D KN0604D	KN1010D KN2010D KN1025D KN2025D	KO20C01A K020C02A	KR2010AX KR2015AX KR2025AX KR2040AX KR2050AX KR2075AX KR2090AX	KR4025AX KR4040AX KR4050AX KR4075AX KR4090AX	KS2002A KS4002A KS0602D	KT20C04A KT20H04A KT20C12A KT20H12A KT10H0D KT20C16A KT20H16A	I/O-1-KB20C04A I/O-1-KF0604D I/O-2-KB20C04A I/O-2-KF0604D I/O-4-KB20C04A I/O-4-KF0604D I/O-8-KB20C04A I/O-8-KF0604D
INPUT: Control Voltage Range	3~32VDC	3~32VDC	4~20mA or 0~10VDC	4~32 VDC	3~32VDC	3~32VDC	3~32VDC 4~32VDC	80~280VAC	80~280VAC	80~280 VAC	80~280 VAC	3~32VDC	VR 0 ~ 500 KΩ	VR 0 ~ 1 MΩ	3~32VDC 3~32VDC 3~32VDC	3~32VDC 3~32VDC 3~32VDC	3~32VDC 3~32VDC
INPUT: Must Turn Off Voltage	Max 1.0VDC	Max 1.0VDC	Max 3.0VDC	Max 1.0VDC	Max 1.0VDC	Max 1.0VDC	Max 1.0VDC	Max 10 VAC	Max 10 VAC	Max 10 VAC	Max 10 VAC	Max 1.0 VAC	—	—	MAX1.0DC MAX1.0DC MAX1.0DC	MAX1.0DC MAX1.0DC MAX1.0DC	Max. 1.0VDC Max. 1.0VDC
INPUT: Input Timpedance	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	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 1.5 kohm 1.5 kohm	1.5 kohm 1.5 kohm
OUTPUT: Max Load Current	2A / 4A	2A, 3A, 4A, 5A, 6A	10A , 15A , 25A , 40A , 50A , 75A , 90A	10A , 15A, 25A, 40A, 50A, 75A, 90A , 100A, 125A	2A , 4A 2A , 4A	2A / 4A	5A , 10A , 25A , 40A , 50A,75A	10A, 15A, 25A, 40A, 50A,75A , 90A , 100A, 125A	2A , 4A , 6A	2A ,4A	10A , 25A	1A,2A	10A, 15A, 25A, 40A, 50A, 75A, 90A	25A, 40A, 50A, 75A, 90A	2A 2A 2A	8A, 12A, 16A 8A	4A 4A
OUTPUT: Load Voltage Range	24~280VAC	24~280VAC 24~480VAC	24~280VAC 48~480VAC	24~280VAC 48~480VAC	3~60 VDC 5~200VDC	3~60VDC	5~120VDC 5~240VDC	24~280VAC 48~480VAC	24~280VAC	3~60VDC	5~120VDC	5~240VDC	12~280VAC	24~280VAC 48~480VAC	24~280VAC 48~480VAC 3~48VDC	24~280VAC 3~180VDC 3~180VDC	24~280VAC 3~48VDC
OUTPUT: Min. Blocking Voltage	600VAC peak	600VAC peak 1200VAC peak	600VAC peak 1200VAC peak	600VAC peak 1200VAC peak	80 VDC 300 VDC	80 VDC	140 VDC 140 VDC	600VAC peak 1200VAC peak	600VAC peak	80 VDC	140VDC	300VDC	600VAC peak	600VAC peak 1200VAC peak	600VAC peak 1200VAC peak 80VDC	600VAC peak 400VDC 400VDC	600VAC peak 80 VDC
OUTPUT: Max Off-State Leakage	Less 3mA	Less 3mA	Less 3mA Less 5mA	Less 3mA Less 5 mA	Less 2 mA Less 3 mA	Less 2 mA	Less 2mA Less 3mA	Less 3 mA Less 5 mA	Less 5 mA	Less 2mA	Less 3mA	Less 5mA	Less 3mA	Less 3mA Less 5 mA	Less 2mA Less 2mA Less 1 mA	Less2mA Less2mA Less 3 mA	Less 3 mA Less 2mA
OUTPUT: Max 1-cycle Peak Surge	20A / 40A	20A, 30A, 40A,50A, 60A	100A , 150A,250A,400A,500A,	100A, 150, 250A, 400A, 500A, 750A, 900A, 1000A, 1250A	3A , 6.5A	3A , 8.5A	25A,50A,100A 200A,250A,375A 65A,100A 200A,250A,375A	100A, 150, 250A, 400A, 500A, 750A, 900A, 1000A, 1250A	20A , 40A , 60A	3A , 6.5A	15A , 35A	15A , 35A	10A , 20A	100A, 150A, 250A 400A, 500A, 750A, 900A	20A 20A 20A	8A, 12A, 16A 16A	40A 40A
OUTPUT: Max Off State dv/dt	200V/μSEC	200V/μSEC 1000V/μSEC	500 V/μSEC 1000 V/μSEC	500 V/μSEC 1000 V/μSEC	200V/μSEC	200V/μSEC	100V/μSEC 200V/μSEC	500 V/μSEC 1000 V/μSEC	3A,50~90 VAC/DC 4A,100~140 VAC/DC	200V/μSEC	100V/μSEC	200V/μSEC	250V/μSEC	500V/μSEC 1000V/μSEC	300V/μSEC 1000V/μSEC 300V/μSEC	300V/μSEC 300V/μSEC	200V/μSEC 200V/μSEC
GENERAL RATING: Isolate Impedance	10^9 ohm	10^9 ohm	10^9 ohm	10^9 ohm	10^9 ohm	10^9 ohm	10^9 ohm	10^9 ohm	10^9 ohm	10^9 ohm	10^9 ohm	10^9 ohm	10^9 ohm	10^9 ohm	10^9 ohm	10^9 ohm 10^9 ohm	10^9 ohm
GENERAL RATING: Dielectric Strength Input-Output	2500VAC rms	2500VAC rms	4000VAC rms	4000VAC rms	2500VAC rms	2500VAC rms	4000VAC rms	4000VAC rms	2500VAC rms	2500VAC rms	4000VAC rms	4000VAC rms	2500VAC rms	— —	2500VAC rms 2500VAC rms	2500VAC rms 2500VAC rms	2500VAC rms
GENERAL RATING: Dielectric Strength Input, Output- Case	—	—	4000VAC rms	4000VAC rms	—	—	—	4000VAC rms	—	—	4000VAC rms	4000VAC rms	—	4000VAC rms 4000VAC rms	— —	— —	—
GENERAL RATING: Turn On Time	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 2m SEC	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 2m SEC	Less 2m SEC
GENERAL RATING: Turn Off Time	Less 1/2AC cycle	Less 1/2AC cycle	Less 1/2AC cycle	Less 1/2AC cycle	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 ½ AC cycle	Less ½ AC cycle	Less ½ AC cycle Less 2m SEC	Less ½ AC cycle Less 2m SEC	Less 1/2AC cycle
GENERAL RATING: Frequency Range	47~70Hz	47~70Hz	47~70Hz	47~70Hz	47~70Hz	47~70Hz	47~70Hz	47~70Hz	47~70Hz	47~70Hz	47~70Hz	47~70Hz	47~70Hz	47~70Hz	47~70Hz 47~70Hz	47~70Hz 47~70Hz	47~70Hz
GENERAL RATING: Operating Temperature	-20 ~ 80°C	-20 ~ 80°C	-20 ~ 80°C	-20 ~ 80°C	-20 ~ 80°C	-20 ~ 80°C	-20° ~ 80°C	-20 ~ 80°C	-20 ~ 80°C	-20 ~ 80°C	-20 ~ 80°C	-20 ~ 80°C	-20 ~ 80°C	-20 ~ 80°C	-20 ~ 80°C -20 ~ 80°C	-20° ~ 80°C -20° ~ 80°C	-20° ~ 80°C
GENERAL RATING: Switching Type	Zero Cross	Zero Cross	Phase Control	Zero Cross	N/A	N/A	N/A	Zero Cross	Zero Cross	N/A	N/A	Zero Cross	N/A	N/A	Zero Cross N/A	Zero Cross Random Turn N/A	N/A
GENERAL RATING: Weight (g)	15g	12g	100g	100g	15g	10g , 12g	100g	100g	12g	12g	95g	95g	1.5g	100g	100g 6g 6g	12g 12g	1port:25g 2port:62.5g 4port:107.5g 8port:186.5g

OUTLINE DIMENSIONS (unit:mm)

KA/KE Series



KB/KF/KM/KN Series

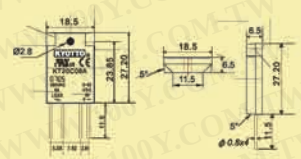


KC/KD/KG/KL/KR Series

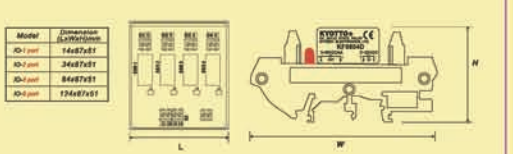
KO Series

KS Series

KT Series



I/O Module



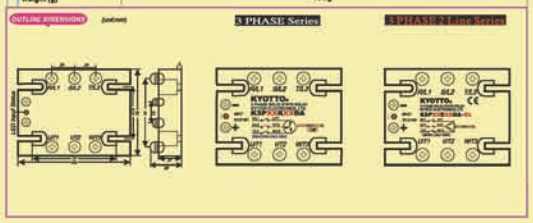
Model	Dimension (L×W×H)(mm)
IO-1 port	14x87x51
IO-2 port	34x87x51
IO-4 port	84x87x51
IO-8 port	124x87x51

3 PHASE Series | 3 PHASE 2 Line Series

Heater Load Only																
	K3P20C26DA	K3P40C26DA	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																
	K3P20R26DA	K3P40R26DA	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	5-32VDC	12-32VDC	80-280VAC		5-32VDC	10-32VDC	80-280VAC									
INPUT: Must Turn Off Voltage	Max 3.0VDC		Max 10 VAC		Max 3.0VDC		Max 10 VAC									
INPUT: Input Timpedance	1.5 Kohm															
OUTPUT: Max Load Current	25A,40A,50A, 75A, 90A, 100A , 125A															
OUTPUT: Load Voltage Range	24-280VAC	48-480VAC	24-280VAC	48-480VAC	24-280VAC	48-480VAC	24-280VAC	48-480VAC								
OUTPUT: Blocking Voltage	600VAC$_{peak}$	1200VAC$_{peak}$	600VAC$_{peak}$	1200VAC$_{peak}$	600VAC$_{peak}$	1200VAC$_{peak}$	600VAC$_{peak}$	1200VAC$_{peak}$								
OUTPUT: Max Off-State Leakage	Less 10mA															
OUTPUT: Max 1-cycle Peak Surge	250A,400A,500A, 750A, 900A, 1000A , 1250A															
OUTPUT: Max Off State dv/dt	500V/μSEC	1000V/μSEC	500V/μSEC	1000V/μSEC	500V/μSEC	1000V/μSEC	500V/μSEC	1000V/μSEC								
GENERAL RATING: Isolate Impedance	10^9 ohm															
GENERAL RATING: Dielectric Strength Input-Output	4000VAC rms															
GENERAL RATING: Dielectric Strength Input, Output- Case	4000VAC rms															
GENERAL RATING: Turn On Time	Less 2m SEC															
GENERAL RATING: Turn Off Time	Less 1/2AC cycle															
GENERAL RATING: Frequency Range	47~70Hz															
GENERAL RATING: Operating Temperature	-20° ~ 80°C															
GENERAL RATING: Switching Type	C:Zero Cross R:Random Switching															
GENERAL RATING: Weight (g)	400g															

OUTLINE DIMENSIONS (unit:mm)

3 PHASE Series | 3 PHASE 2 Line Series



Purpose :

- Copy Machine
- Currently Machine
- Robot
- Wrapping Machine
- Electric Distributor
- Microwave Oven
- Micro Computer
- CNC Lathe
- Motor Control
- Office Wave
- Video Game
- Temperature Regulator
- Auto Vending Machine
- Control Equipment
- UPS , AVR
- Traffaic Signal Control

Features :

- HIGH RELIABILITY , LONG LIFE
- SAFETY
- LOW INPUT POWER CONSUMPTION
- NO CONTACT POINTS
- NO SWITCHING SPARKS
- NO NOISE
- NO MECHANICAL DAMAGE
- NEED NO MAINTENANCE
- NEED NO MECHANICAL MOTION , ELECTRONIC DEVICES
- FAST REACTION , FITS IN HIGH FREQUENCY MOTIONS

Specification :

(1)Category:DC/AC,Single SSR , 3 Phase 3 Line , 3 Phase 2 Line
(2)SIP Type1 : Apply to PCB welding
(3)PANEL MOUNT Type: Apply two screw to fix
(4)I/O Module Type:Apply many kind of I/O to control
(5)High-Tension:Load Voltage can to 480VAC , 1200Vpeak
(6)Electricity : Max Load current to 125A
(7)3 Phase SSR:To control 3 Phase Motor & Temperature , Load Voltage to 480VAC

Model No. Descriptions:

KYOTTO's Model No. Of SSR show special implication . The user can easily choose what they want from reading the Model No. The following is the unified example to help users read the Model NO.

Ex:

KD 20 C 25 A X

These two letters indicate SSR's series:
(1)KA,KB,KD,KG,KS,KT : DC to AC TYPE
(2)KC : CURRENT to VAC TYPE
(3)KE,KF,KG,KS,KT : DC to DC TYPE
(4)KL : AC to AC TYPE
(5)KM :AC to AC TYPE
(6)KN :AC to DC TYPE
(7)KR : VR to AC TYPE
(8)K3P :3 phase TYPE

These two digits indicate the output voltage;
e.g.
06 = 60VDC
10 = 100VDC / 120VDC
20 = 200VDC / 240VDC / 280VAC
40 = 480VAC

With"C"indicates built-in zero-cross circuit
C = Zero Cross
R = Random Turn

These two digits indicate the output current:
e.g. 02 = 2A , 03=3A , 04 = 4A , 05=5A , 06=6A
10 =10A , 15=15A, 25=25A , 40=40A , 50=50A
75= 75A , 90=90A, 100=100A , 125=125A

This letters indicate:
"A" = AC output,
"D" = DC output.

This letters indicate revision.

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胜特力电子(深圳) 86-755-83298787
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