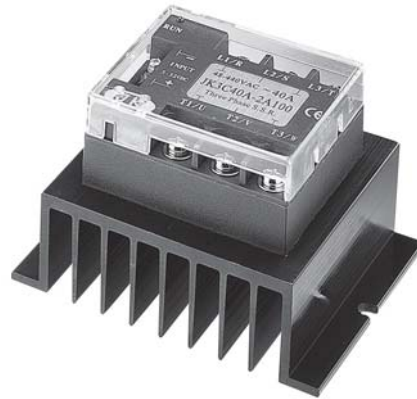




Three Phase Solid State Relay (Zero-corring)



P.1



P.2



P.3



P.4

Choice of Specification & Models.

Work Voltage	Control Voltage DC/AC	Rated Current	Models Zero-corring 3 φ 2W (DC to AC)	Models Zero-corring 3 φ 3W (DC to AC)	L (mm)	W (mm)	H (mm)	Photo
24~280VAC	6~32VDC	25A	JK2C25A-2A75	JK2C25A-3A75	126	75	86	P.1
		25A	JK2C25A-2B75	JK2C25A-3B75	115	75	136	P.3
		40A	JK2C40A-2A100	JK2C40A-3A100	126	100	86	P.2
		40A	JK2C40A-2B75	JK2C40A-3B75	115	75	136	P.3
		55A	JK2C55A-2FB75	JK2C55A-3FB75	115	103	136	P.4
		75A	JK2C75A-2FB100	JK2C75A-3FB100	115	130	136	P.5
48~480VAC	6~32VDC	25A	JK3C25A-2A75	JK3C25A-3A75	126	75	86	P.1
		25A	JK3C25A-2B75	JK3C25A-3B75	115	75	136	P.3
		40A	JK3C40A-2A100	JK3C40A-3A100	126	100	86	P.2
		40A	JK3C40A-2B75	JK3C40A-3B75	115	75	136	P.3
		55A	JK3C55A-2FB75	JK3C55A-3FB75	115	103	136	P.4
		75A	JK3C75A-2FB100	JK3C75A-3FB100	115	130	136	P.5



Three Phase Solid State Relay (Zero-corring)

P.5



P.6



Choice of Specification & Models.

Work Voltage	Control Voltage DC/AC	Rated Current	Models Zero-corring 3 ϕ 2W (AC to AC)	Models Zero-corring 3 ϕ 3W (AC to AC)	L (mm)	W (mm)	H (mm)	Photo
24~280VAC	90~265VAC	25A	JKAC2C25A-2A75	JKAC2C25A-3A75	126	75	86	P.1
		25A	JKAC2C25A-2B75	JKAC2C25A-3B75	115	75	136	P.3
		40A	JKAC2C40A-2A100	JKAC2C40A-3A100	126	100	86	P.2
		40A	JKAC2C40A-2B75	JKAC2C40A-3B75	115	75	136	P.3
		55A	JKAC2C55A-2FB75	JKAC2C55A-3FB75	115	103	136	P.4
		75A	JKAC2C75A-2FB100	JKAC2C75A-3FB100	115	130	136	P.5
48~480VAC	90~265VAC	25A	JKAC3C25A-2A75	JKAC3C25A-3A75	126	75	86	P.1
		25A	JKAC3C25A-2B75	JKAC3C25A-3B75	115	75	136	P.3
		40A	JKAC3C40A-2A100	JKAC3C40A-3A100	126	100	86	P.2
		40A	JKAC3C40A-2B75	JKAC3C40A-3B75	115	75	136	P.3
		55A	JKAC3C55A-2FB75	JKAC3C55A-3FB75	115	103	136	P.4
		75A	JKAC3C75A-2FB100	JKAC3C75A-3FB100	115	130	136	P.5

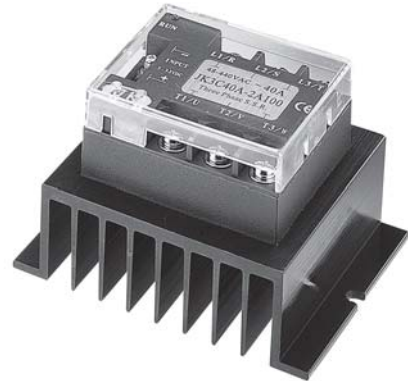


Three Phase Solid State Relay (Zero-corring)

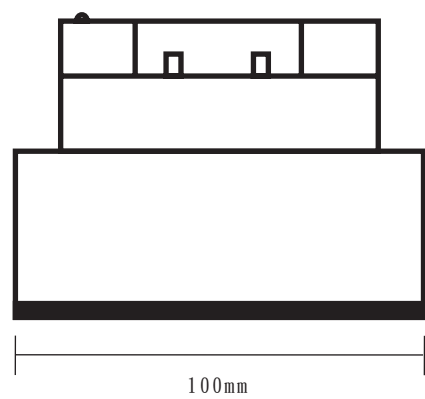
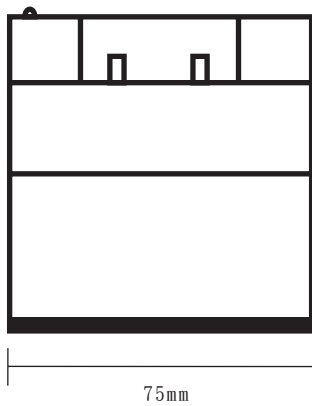
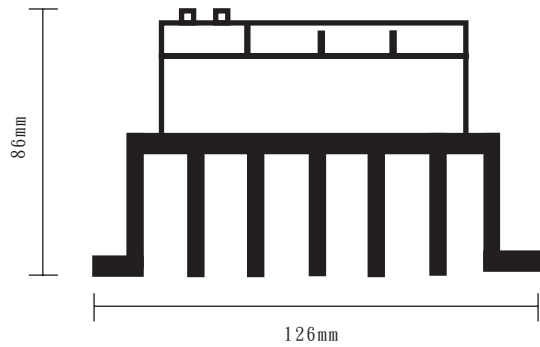
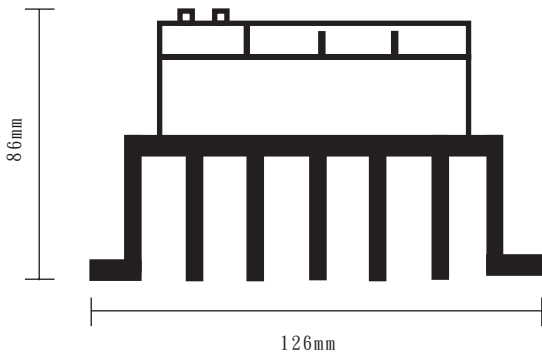
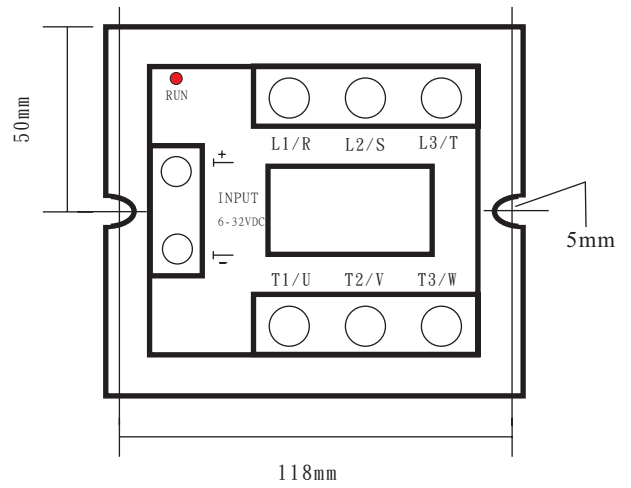
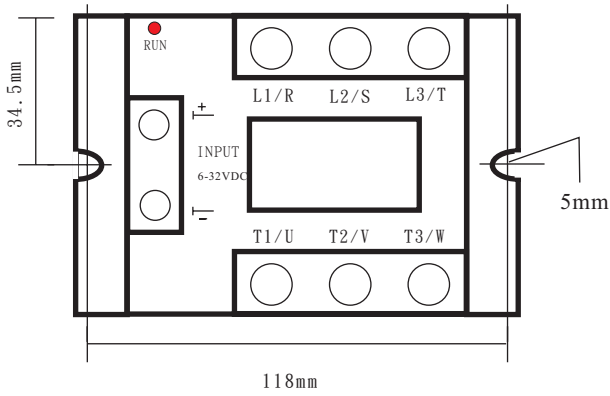
Dimension:



P.1



P.2



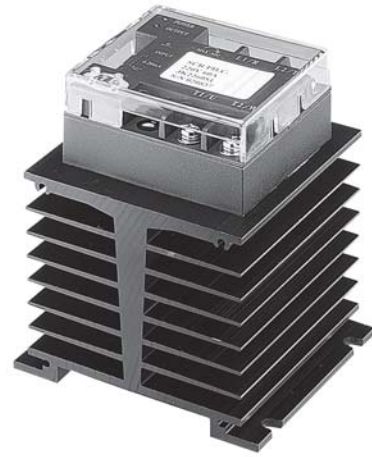


Three Phase Solid State Relay (Zero-corring)

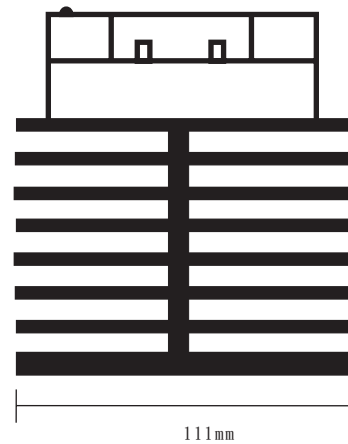
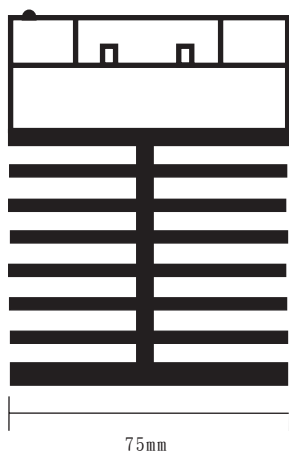
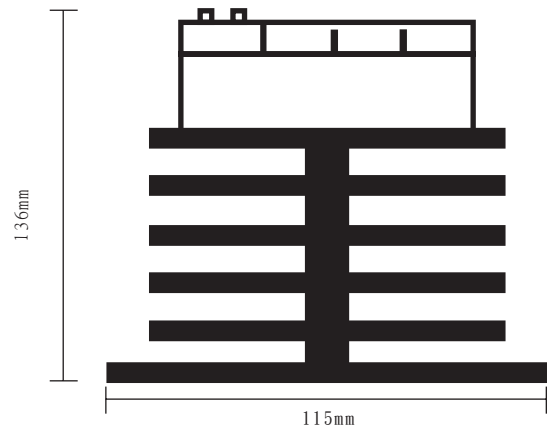
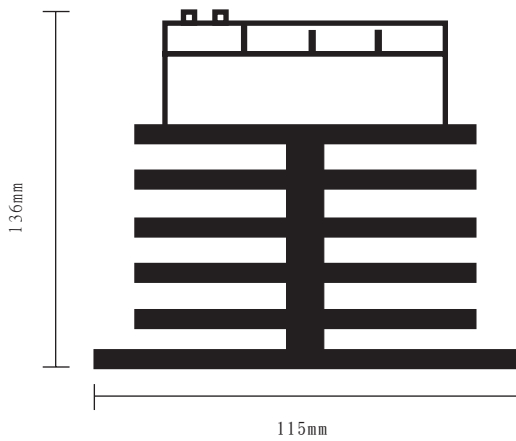
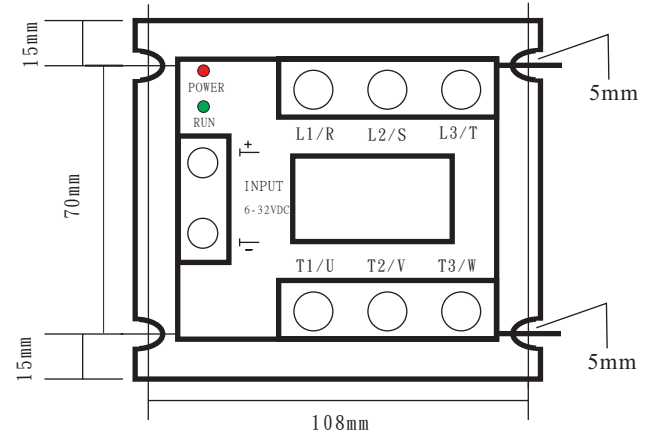
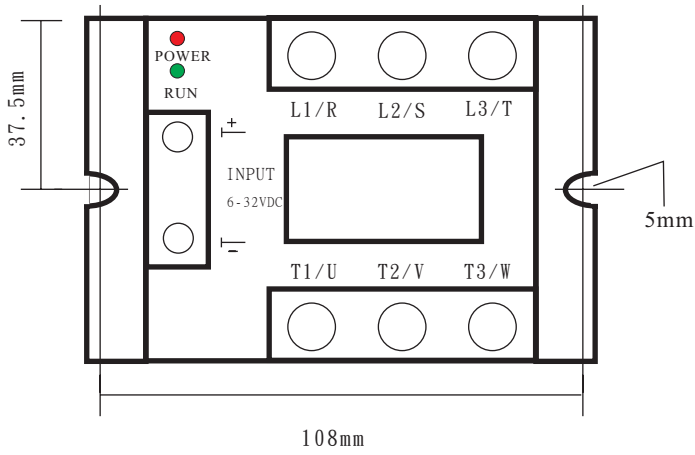
Dimension:



P.3



P.4





Three Phase Solid State Relay (Zero-corring)

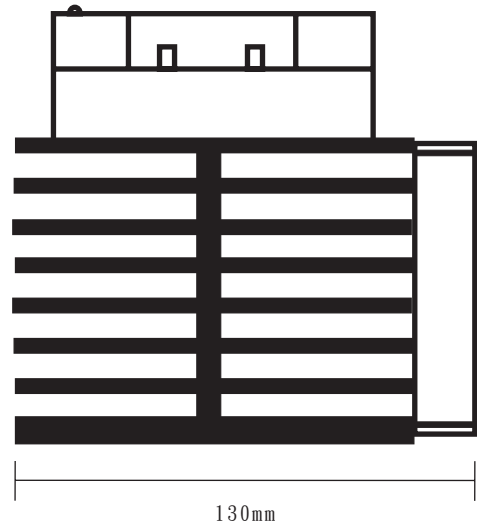
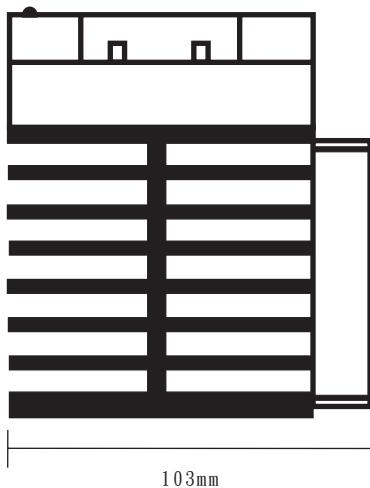
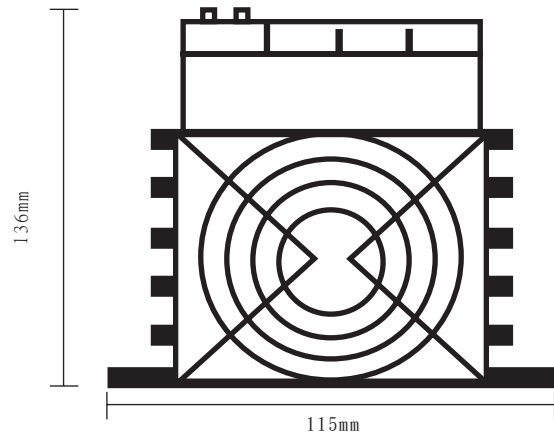
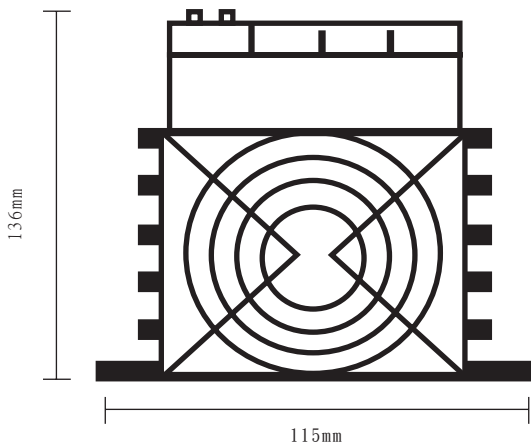
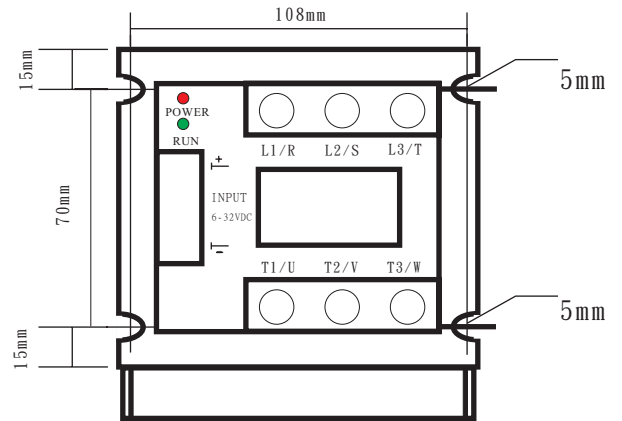
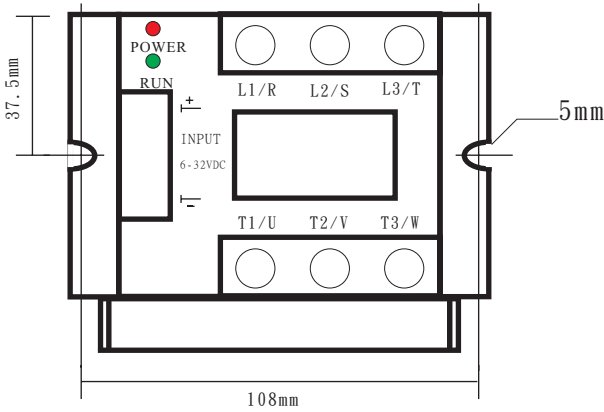
Dimension:



P.5



P.6

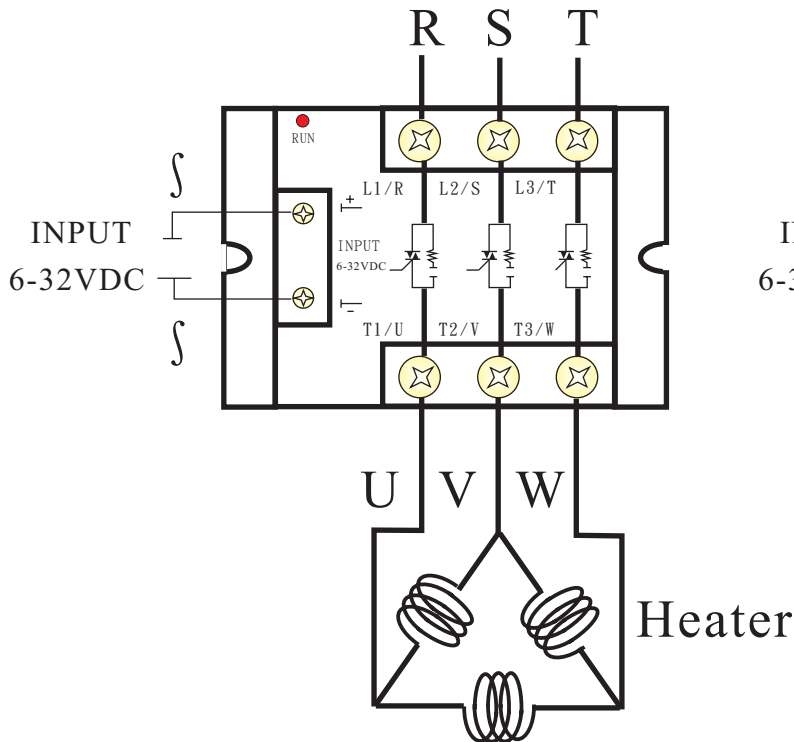




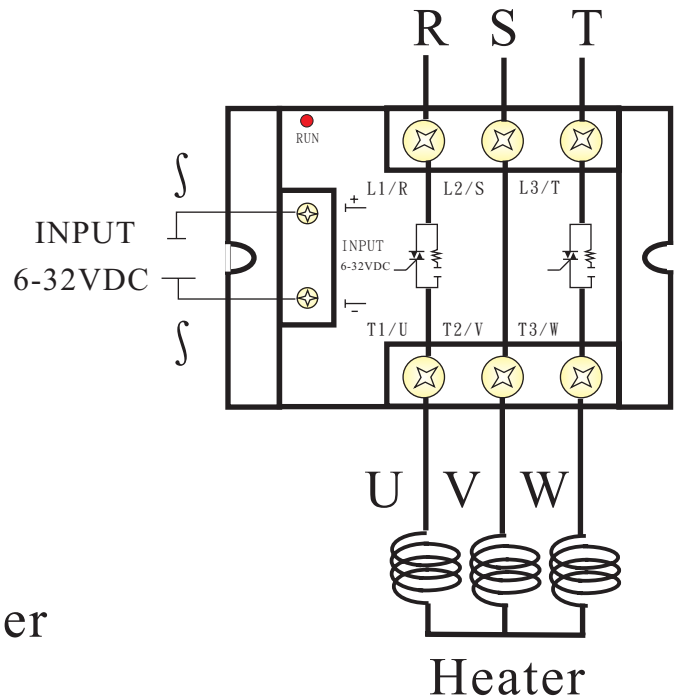
Three Phase Solid State Relay (Zero-corring)

Connection Diagram:

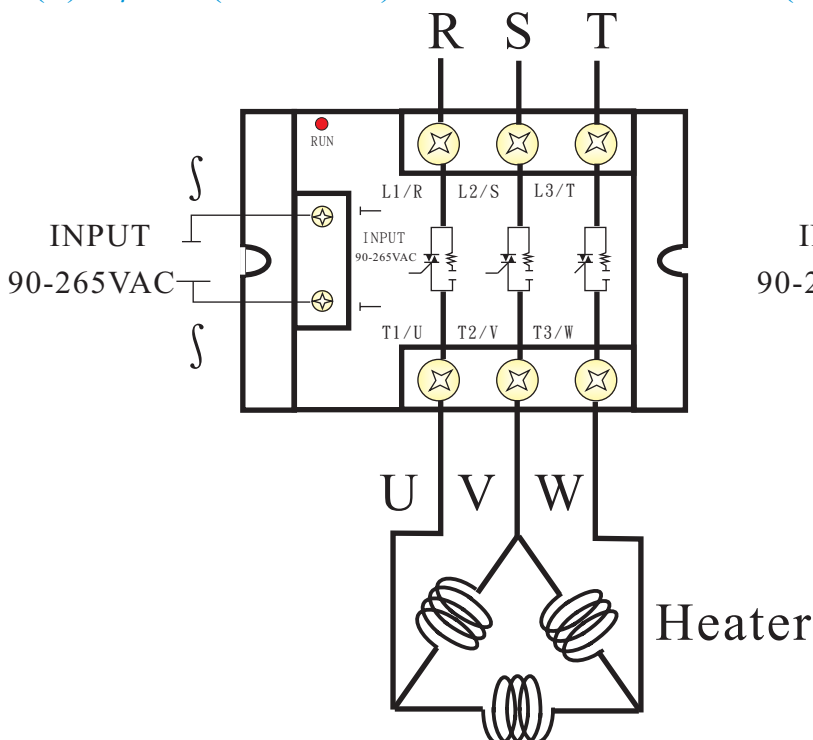
(1) 3 ϕ 3W (DC to AC)



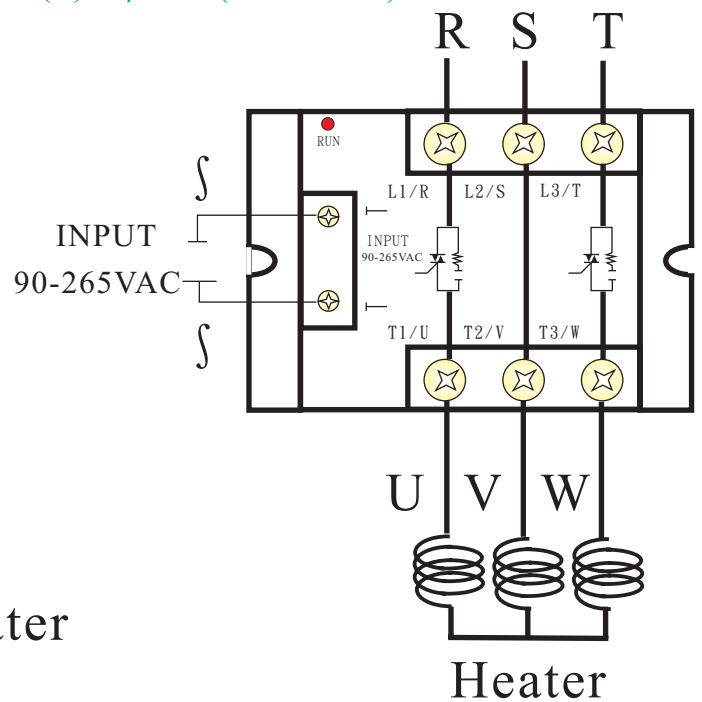
(2) 3 ϕ 2W (DC to AC)



(3) 3 ϕ 3W (AC to AC)



(4) 3 ϕ 2W (AC to AC)





Three Phase Solid State Relay (Zero-corring)

Specification. DC to AC (24~280VAC)

Model	JK2C25A	JK2C40A	JK2C55A	JK2C75A
INPUT				
Control voltage range (VDC)	6~32VDC	6~32VDC	6~32VDC	6~32VDC
Control current at 12/24 (mA)	12.2/12.8	12.2/12.8	12.2/12.8	12.2/12.8
Min turn-off voltage (VDC)	4	4	4	4
OUTPUT				
Number of pole	3	3	3	3
Operating voltage range (VAC)	24~280	24~280	24~280	24~280
Maximum repetitive blocking voltage	600VAC	600VAC	600VAC	600VAC
Maximum load current arms	25	40	55	75
Peak one cycle surge (60Hz)/I ² t	250/520A ² S	400A/625A ² S	525A/1250A ² S	950A/3745A ² S
Operating frequency range (Hz)	47~63	47~63	47~63	47~63
Off-state leakage current (mA)	10	10	10	10
Min. off-state dv/dt (V/μS)	500	500	500	500
GENERAL CHARACTERISTICS				
Method of turn-on switching	Zero-corring	Zero-corring	Zero-corring	Zero-corring
Max. turn-on time (Cycle)	1/2	1/2	1/2	1/2
Max. turn-off time (Cycle)	1/2	1/2	1/2	1/2
Insulation resistance (MΩ Min.)	100	100	100	100
Dielectric strength (V)	2500	2500	2500	2500
Ambient operating temperature range (°C)	-10~+50	-10~+50	-10~+50	-10~+50
Ambient storage temperature range (°C)	-10~+50	-10~+50	-10~+50	-10~+50



Three Phase Solid State Relay (Zero-corring)

Specification. DC to AC (48~480VAC)

Model	JK3C25A	JK3C40A	JK3C55A	JK3C75A
INPUT				
Control voltage range (VDC)	6~32VDC	6~32VDC	6~32VDC	6~32VDC
Control current at 12/24 (mA)	12.2/12.8	12.2/12.8	12.2/12.8	12.2/12.8
Min turn-off voltage (VDC)	4	4	4	4
OUTPUT				
Number of pole	3	3	3	3
Operating voltage range (VAC)	48~480	48~480	48~480	48~480
Maximum repetitive blocking voltage	1200VAC	1200VAC	1200VAC	1200VAC
Maximum load current arms	25	40	55	75
Peak one cycle surge (60Hz)/I ² t	250/520A ² S	400A/625A ² S	525A/1250A ² S	950A/3745A ² S
Operating frequency range (Hz)	47~63	47~63	47~63	47~63
Off-state leakage current (mA)	10	10	10	10
Min. off-state dv/dt (V/μS)	500	500	500	500
GENERAL CHARACTERISTICS				
Method of turn-on switching	Zero-corring	Zero-corring	Zero-corring	Zero-corring
Max. turn-on time (Cycle)	1/2	1/2	1/2	1/2
Max. turn-off time (Cycle)	1/2	1/2	1/2	1/2
Insulation resistance (MΩ Min.)	100	100	100	100
Dielectric strength (V)	2500	2500	2500	2500
Ambient operating temperature range (°C)	-10~+50	-10~+50	-10~+50	-10~+50
Ambient storage temperature range (°C)	-10~+50	-10~+50	-10~+50	-10~+50



Three Phase Solid State Relay (Zero-corring)

Specification. AC to AC (24~280VAC)

Model	JKAC2C25A	JKAC2C40A	JKAC2C55A	JKAC2C75A
INPUT				
Control voltage range (VAC)	90~265VAC	90~265VAC	90~265VAC	90~265VAC
Control current at 90/220/265VAC(mA)	9/21/25mA	9/21/25mA	9/21/25mA	9/21/25mA
Min turn-off voltage (VAC)	30	30	30	30
OUTPUT				
Number of pole	3	3	3	3
Operating voltage range (VAC)	24~280	24~280	24~280	24~280
Maximum repetitive blocking voltage	600VAC	600VAC	600VAC	600VAC
Maximum load current arms	25	40	55	75
Peak one cycle surge (60Hz)/I ² t	250/520A ² S	400A/625A ² S	525A/1250A ² S	950A/3745A ² S
Operating frequency range (Hz)	47~63	47~63	47~63	47~63
Off-state leakage current (mA)	10	10	10	10
Min. off-state dv/dt (V/μS)	500	500	500	500
GENERAL CHARACTERISTICS				
Method of turn-on switching	Zero-corring	Zero-corring	Zero-corring	Zero-corring
Max. turn-on time (Cycle)	1/2	1/2	1/2	1/2
Max. turn-off time (Cycle)	1/2	1/2	1/2	1/2
Insulation resistance (MΩ Min.)	100	100	100	100
Dielectric strength (V)	2500	2500	2500	2500
Ambient operating temperature range (°C)	-10~+50	-10~+50	-10~+50	-10~+50
Ambient storage temperature range (°C)	-10~+50	-10~+50	-10~+50	-10~+50



Three Phase Solid State Relay (Zero-corring)

Specification. AC to AC (48~480VAC)

Model	JKAC3C25A	JKAC3C40A	JKAC3C55A	JKAC3C75A
INPUT				
Control voltage range (VAC)	90~265VAC	90~265VAC	90~265VAC	90~265VAC
Control current at 90/220/265VAC(mA)	9/21/25mA	9/21/25mA	9/21/25mA	9/21/25mA
Min turn-off voltage (VAC)	30	30	30	30
OUTPUT				
Number of pole	3	3	3	3
Operating voltage range (VAC)	48~480	48~480	48~480	48~480
Maximum repetitive blocking voltage	1200VAC	1200VAC	1200VAC	1200VAC
Maximum load current arms	25	40	55	75
Peak one cycle surge (60Hz)/I ² t	250/520A ² S	400A/625A ² S	525A/1250A ² S	950A/3745A ² S
Operating frequency range (Hz)	47~63	47~63	47~63	47~63
Off-state leakage current (mA)	10	10	10	10
Min. off-state dv/dt (V/μS)	500	500	500	500
GENERAL CHARACTERISTICS				
Method of turn-on switching	Zero-corring	Zero-corring	Zero-corring	Zero-corring
Max. turn-on time (Cycle)	1/2	1/2	1/2	1/2
Max. turn-off time (Cycle)	1/2	1/2	1/2	1/2
Insulation resistance (MΩ Min.)	100	100	100	100
Dielectric strength (V)	2500	2500	2500	2500
Ambient operating temperature range (°C)	-10~+50	-10~+50	-10~+50	-10~+50
Ambient storage temperature range (°C)	-10~+50	-10~+50	-10~+50	-10~+50

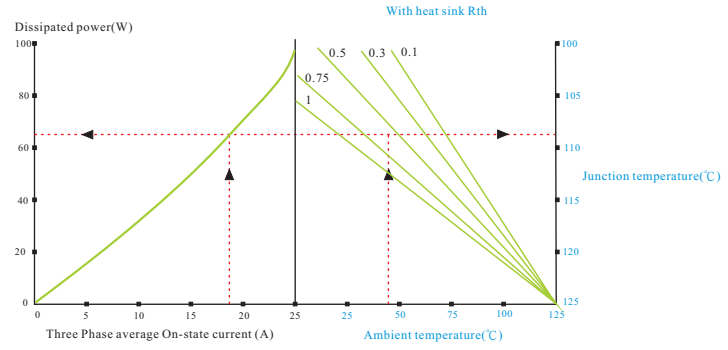
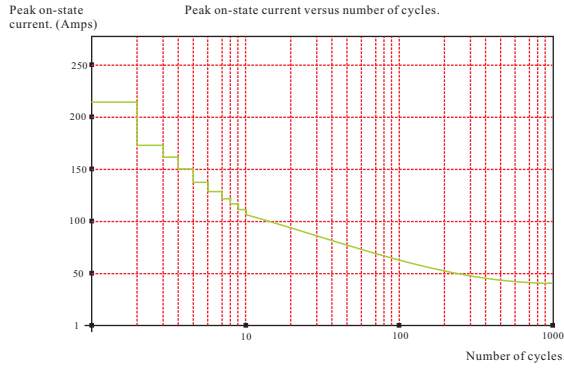


Three Phase Solid State Relay (Zero-corring)

Characteristic Curves.

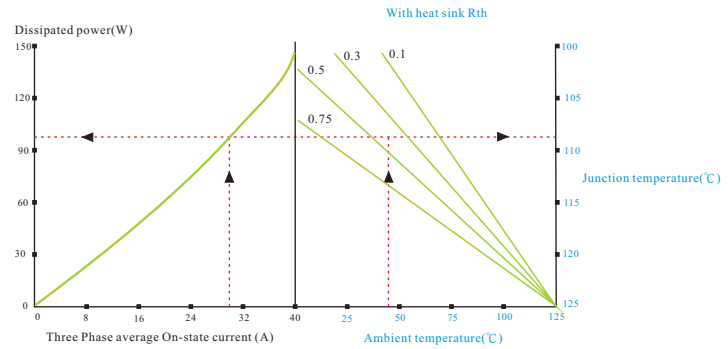
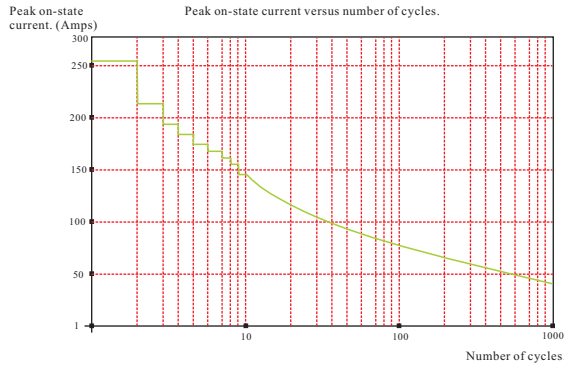
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JKAC2C25A

JK3C25A
JKAC3C25A



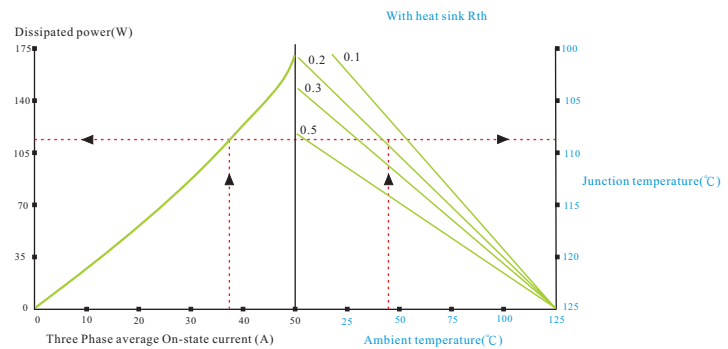
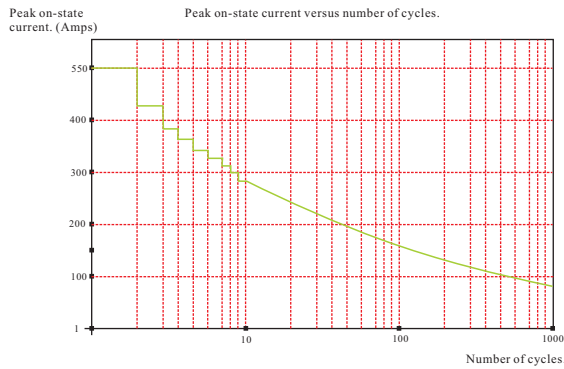
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JK2C55A
JKAC2C55A

JK3C55A
JKAC3C55A



JK2C75A
JKAC2C75A

JK3C75A
JKAC3C75A

