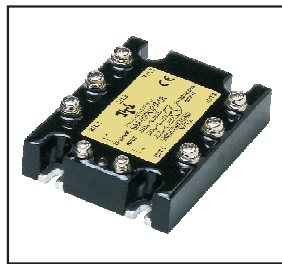


SAA SERIES SOLID STATE RELAY

SAA-200K025K-1R
SAA-200K040K-1R
SAA-200K050K-1R
SAA-200K075K-1R
SAA-200K090K-1R
SAA-200K100K-1R

AC Control AC Loading S.S.R



Specifications

MODEL SERIES NO.	CONTROL VOLTAGE	MUST TURN OFF VOLTAGE	INPUT IMPEDANCE	LOADING CURRENT	LOADING VOLTAGE	MIN BLOCKING VOLTAGE	MAX OFF-STATE LEAKAGE	FREQUENCY RANGE	MAX 1-CYCLE PEAK SURGE
SAA-200K025K-1R	80 ~ 280 VAC	MAX 10 VDC	1.5 KΩ	25A	24 ~ 280VAC	600VAC	LESS 10mA	47-70HZ	250A
SAA-200K040K-1R	80 ~ 280 VAC	MAX 10 VDC	1.5 KΩ	40A	24 ~ 280VAC	600VAC	LESS 10mA	47-70HZ	400A
SAA-200K050K-1R	80 ~ 280 VAC	MAX 10 VDC	1.5 KΩ	50A	24 ~ 280VAC	600VAC	LESS 10mA	47-70HZ	500A
SAA-200K075K-1R	80 ~ 280 VAC	MAX 10 VDC	1.5 KΩ	75A	24 ~ 280VAC	600VAC	LESS 10mA	47-70HZ	750A
SAA-200K090K-1R	80 ~ 280 VAC	MAX 10 VDC	1.5 KΩ	90A	24 ~ 280VAC	600VAC	LESS 10mA	47-70HZ	900A
SAA-200K100K-1R	80 ~ 280 VAC	MAX 10 VDC	1.5 KΩ	100A	24 ~ 280VAC	600VAC	LESS 10mA	47-70HZ	1000A

MODEL SERIES NO.	MAX OFF STATE dv/dt	MAX ON-STATE VOLTAGE DROP	ISOLATE IMPEDENCE	DIELECTRIC STRENGTH INPUT-OUTPUT	DIELECTRIC STRENGTH INPUT,OUTPUT-CASE	TURN ON TIME	TURN OFF TIME	CAPACITANCE IN-OUT	WEIGHT (g)
SAA-200K025K-1R	500 V/μ sec	1.6Vrms	10 ⁹ Ω	4000 VACrms	4000 VACrms	LESS 2 msec	LESS 1/2 AC CYCLE	LESS 15 PF	400 g
SAA-200K040K-1R	500 V/μ sec	1.6Vrms	10 ⁹ Ω	4000 VACrms	4000 VACrms	LESS 2 msec	LESS 1/2 AC CYCLE	LESS 15 PF	400 g
SAA-200K050K-1R	500 V/μ sec	1.6Vrms	10 ⁹ Ω	4000 VACrms	4000 VACrms	LESS 2 msec	LESS 1/2 AC CYCLE	LESS 15 PF	400 g
SAA-200K075K-1R	500 V/μ sec	1.6Vrms	10 ⁹ Ω	4000 VACrms	4000 VACrms	LESS 2 msec	LESS 1/2 AC CYCLE	LESS 15 PF	400 g
SAA-200K090K-1R	500 V/μ sec	1.6Vrms	10 ⁹ Ω	4000 VACrms	4000 VACrms	LESS 2 msec	LESS 1/2 AC CYCLE	LESS 15 PF	400 g
SAA-200K100K-1R	500 V/μ sec	1.6Vrms	10 ⁹ Ω	4000 VACrms	4000 VACrms	LESS 2 msec	LESS 1/2 AC CYCLE	LESS 15 PF	400 g

Parts No.

SAA-200K025K-1R

Switching Type : R =Random Switching

Packing : 1 = Screw Type

Phase : K = Inductive Load (Three-Phase Two Line)

Loading Current : 025 = 25A,040 = 40A,050 = 50A,
075 = 75A,090 = 90A,100 = 100A

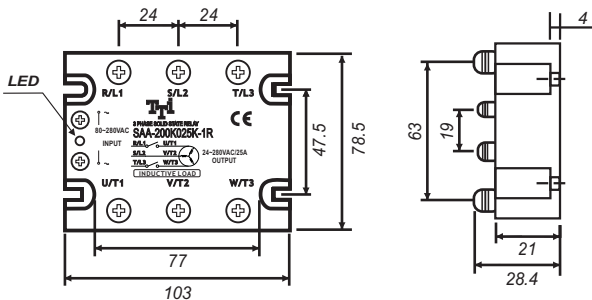
Control Voltage : K = 80-280VAC

Loading Voltage : 200 = 24~280VAC

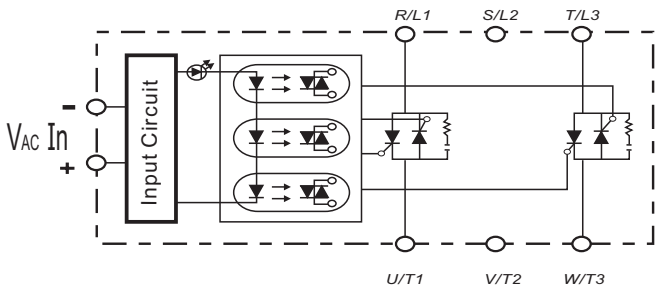
Control Type : AA = AC Control AC

S = S.S.R

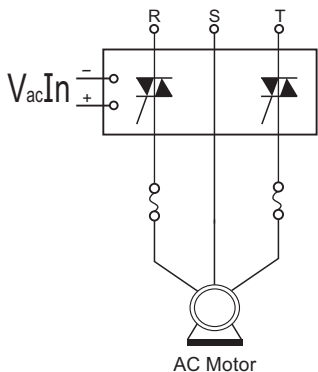
Outline Dimensions(Unit : mm)



Equivalent Circuit

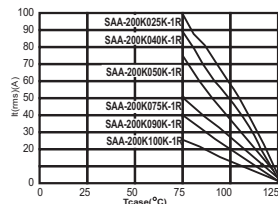


Example : 3Ø S.S.R Application



Characteristic Curves

RMS On-state Current Versus Case Temperature



Non Repetitive Surge On-state Current Versus Number Of Cycles

