

AC SOLID STATE RELAY

K3P20C25DA K3P20C75DA
K3P20C40DA K3P20C90DA
K3P20C50DA K3P20C100DA

(HEATER LOAD ONLY)
 3PHASE SERIES

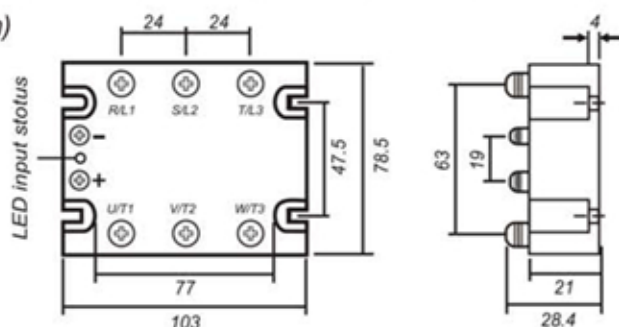


SPECIFICATIONS

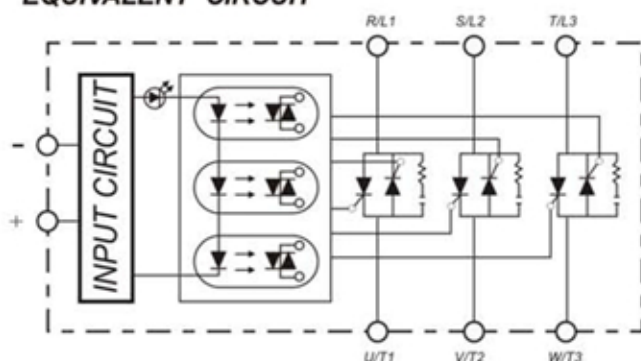
MODEL NO.	CONTROL VOLTAGE RANGE	MUST TURN OFF VOLTAGE	INPUT IMPEDANCE	MAX LOAD CURRENT	LOAD VOLTAGE RANGE	MIN BLOCKING VOLTAGE	MAX OFF-STATE LEAKAGE	FREQUENCY RANGE	MAX 1-CYCLE PEAK SURGE
K3P20C25DA	6 TO 32VDC	MAX 9.5 VDC	1.5Kohm	2.5 A	24-280VAC	600VAC	LESS 10 mA	47-63HZ	31.5 A
K3P20C40DA	6 TO 32VDC	MAX 9.5 VDC	1.5Kohm	4.0 A	24-280VAC	600VAC	LESS 10 mA	47-63HZ	45.0 A
K3P20C50DA	6 TO 32VDC	MAX 9.5 VDC	1.5Kohm	5.0 A	24-280VAC	600VAC	LESS 10 mA	47-63HZ	56.0 A
K3P20C75DA	6 TO 32VDC	MAX 9.5 VDC	1.5Kohm	7.5 A	24-280VAC	600VAC	LESS 10 mA	47-63HZ	75.0 A
K3P20C90DA	6 TO 32VDC	MAX 9.5 VDC	1.5Kohm	9.0 A	24-280VAC	600VAC	LESS 10 mA	47-63HZ	90.0 A
K3P20C100DA	6 TO 32VDC	MAX 9.5 VDC	1.5Kohm	100A	24-280VAC	600VAC	LESS 10 mA	47-63HZ	1030A

MODEL 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)
K3P20C25DA	500V/ μ SEC	1.6Vrms	10^9 ohm	2500Vrms	2500Vrms	LESS1/2mSec	LESS1/2cycle	LESS473pf	600 g
K3P20C40DA	500V/ μ SEC	1.6Vrms	10^9 ohm	2500Vrms	2500Vrms	LESS1/2mSec	LESS1/2cycle	LESS473pf	600 g
K3P20C50DA	500V/ μ SEC	1.6Vrms	10^9 ohm	2500Vrms	2500Vrms	LESS1/2mSec	LESS1/2cycle	LESS473pf	600 g
K3P20C75DA	500V/ μ SEC	1.6Vrms	10^9 ohm	2500Vrms	2500Vrms	LESS1/2mSec	LESS1/2cycle	LESS473pf	600 g
K3P20C90DA	500V/ μ SEC	1.6Vrms	10^9 ohm	2500Vrms	2500Vrms	LESS1/2mSec	LESS1/2cycle	LESS473pf	600 g
K3P20C100DA	500V/ μ SEC	1.6Vrms	10^9 ohm	2500Vrms	2500Vrms	LESS1/2mSec	LESS1/2cycle	LESS473pf	600 g

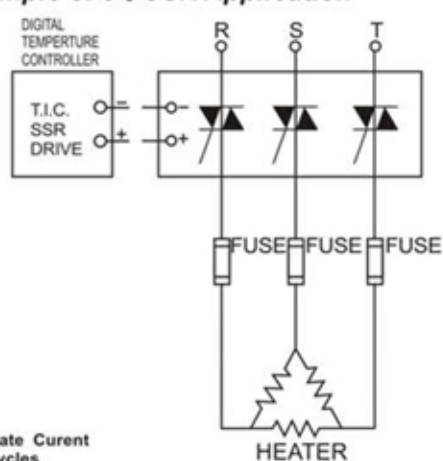
OUTLINE DIMENSIONS (unit:mm)



EQUIVALENT CIRCUIT



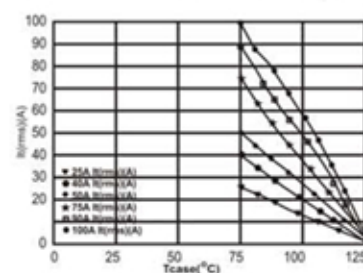
Example of 3 ϕ SSR Application



CHARACTERISTIC CURVES

Characteristics curve

RMS On-state Current Versus Case Temperature



Non Repetitive Surge On-state Current Versus Number Of Cycles

