

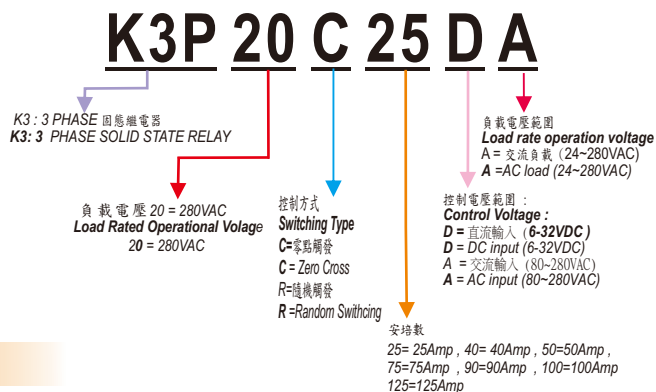
三相固態繼電器 3 PHASE SOLID STATE RELAY

K3P20C25DA
K3P20C40DA
K3P20C50DA
K3P20C75DA
K3P20C90DA

K3P20C-DA SERIES



型號索引說明 Model No. Descriptions:



產品摘錄 PRODUCT SELECTON

輸出規格 OUTPUT SPECIFICATIONS

品名	Description	K3P20C25DA	K3P20C40DA	K3P20C50DA	K3P20C75DA	K3P20C90DA
最大負載電流 (25°C)	Max Load Current (25°C)	25A	40A	50A	75A	90A
負載電壓範圍	Operating Voltage [VAC]	24-280	24-280	24-280	24-280	24-280
破壞電壓	Maximum Transient Overvoltage [Vpk]	600	600	600	600	600
洩露電流	Maximum Off-State Leakage Current @Rated Voltage [mA]	Less 10mA	Less 10mA	Less 10mA	Less 10mA	Less 10mA
最大瞬間承受電流	Maximum Surge Current [A] (10ms)	250A	400A	500A	750A	900A
動作壓降	Maximum On-State Voltage Drop @ Rated Current [V]	1.5	1.5	1.5	1.5	1.5
瞬間電壓變化率	Maximum Off-State dv/dt [V/uSec]	500	500	500	500	500

輸入規格 INPUT SPECIFICATIONS

品名	Description	K3P20C25DA	K3P20C40DA	K3P20C50DA	K3P20C75DA	K3P20C90DA
控制電壓範圍	Control Voltage Range	6-32VDC	6-32VDC	6-32VDC	6-32VDC	6-32VDC
最小導通電壓	Minimum Turn-on Voltage	5.8VDC	5.8VDC	5.8VDC	5.8VDC	5.8VDC
最小關斷電壓	Minimum Turn-off Voltage	1VDC	1VDC	1VDC	1VDC	1VDC
輸入洩漏電流	Leakage Current	15mA	15mA	15mA	15mA	15mA
最大動作時間	Maximum Turn-on Time [msec]	Less 8.3m Sec	Less 8.3m Sec	Less 8.3m Sec	Less 8.3m Sec	Less 8.3m Sec
最大關斷時間	Maximum Turn-off Time [msec]	Less 1/2AC cycle	Less 1/2AC cycle	Less 1/2AC cycle	Less 1/2AC cycle	Less 1/2AC cycle

一般規格 GENERAL SPECIFICATIONS

品名	Description	K3P20C25DA	K3P20C40DA	K3P20C50DA	K3P20C75DA	K3P20C90DA
輸入/輸出至外殼絕緣電壓	Dielectric Strength, Input-Output Base (50/60Hz)	4000	4000	4000	4000	4000
輸入/輸出絕緣電壓	Dielectric Strength, Input-Output (50/60Hz)	4000	4000	4000	4000	4000
絕緣電阻	Minimum Insulation Resistance	10 ⁹ ohm	10 ⁹ ohm	10 ⁹ ohm	10 ⁹ ohm	10 ⁹ ohm
工作溫度範圍	Ambient Operating Temperature Range	-20°C~+80°C	-20°C~+80°C	-20°C~+80°C	-20°C~+80°C	-20°C~+80°C
儲存溫度範圍	Ambient Storage Temperature Range	-40°C~+100°C	-40°C~+100°C	-40°C~+100°C	-40°C~+100°C	-40°C~+100°C
觸發方式	Switching Type	Zero Cross	Zero Cross	Zero Cross	Zero Cross	Zero Cross
重量	Weight (g) +/- 50g	400g	400g	400g	400g	400g

MTBF for Solid State Relay *(本公司固態繼電器以10萬顆產品產生3顆不良品,連續30天每日運行8小時為測試條件)

Inputs:

- (1) Total accumulated times : 24,000,000 hours
- (2) Total accumulated failures : 3
- (3) Confidence : 95 %

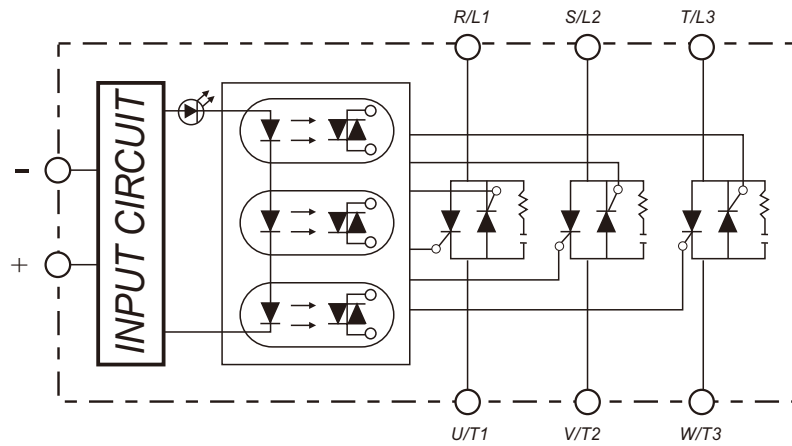
Solution:

- (1) Point estimate MTBF =8,000,000 hours
- (2) MTBF_{lower} = 3,095,314 hours at a 95% confidence level

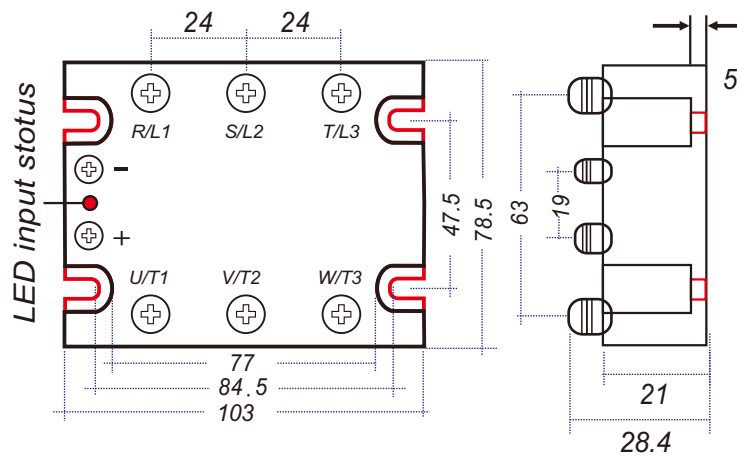
KYOTTO
SOLID STATE RELAY

3 2 4 桃園縣平鎮市復旦路四段68巷131號
TEL:886-3-4930055 FAX:886-3-4922455
E-mail:kyotto@kyotto.com http://www.kyotto.com

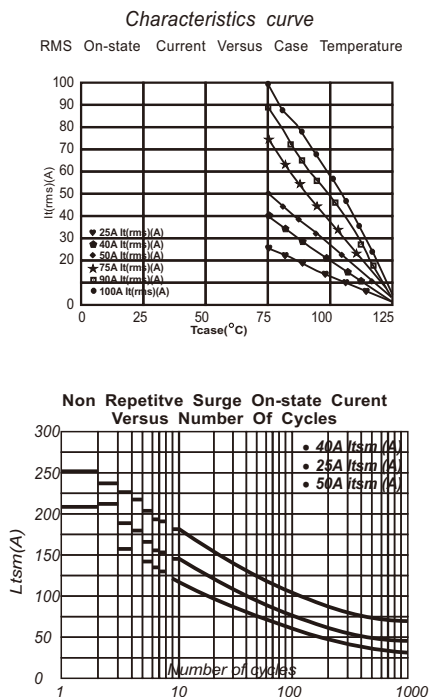
等效電路圖 EQUIVALENT CIRCUIT



外觀尺寸圖 MECHANICAL DIMENSIONS (Unit:mm)



特性曲線圖 CHARACTERISTIC CURVES



應用範例 EXAMPLE APPLICATION

