

固態繼電器 SOLID STATE RELAY

**KD40R50AX
KD40R75AX
KD40R90AX
KD40R100AX
KD40R125AX**

KD40R SERIES



型號索引說明 Model No. Descriptions:

KD 40 R 50 AX

These two letters indicate SSR's series:
KA,KB,KD,KO,KS,KT : DC to AC TYPE

負載電壓
THE OUTPUT VOLTAGE:
40 = 480 VAC

C = Zero Cross
R = Random Type.

This letters indicate:
"A" = AC output,
負載電流
THE OUTPUT CURRENT :
10=10A , 15=15A , 25=25A
40=40A , 50=50A , 75=75A
90=90A , 100 = 100A
125=125A

產品摘錄 PRODUCT SELECTON

輸出規格 OUTPUT SPECIFICATIONS

品名	Description	KD40R50AX	KD40R75AX	KD40R90AX	KD40R100AX	KD40R125AX
負載電壓範圍	Operating Voltage [VAC]	48-480VAC	48-480VAC	48-480VAC	48-480VAC	48-480VAC
最大負載電流	Maximum Load Current [Adc]	50A	75A	90A	100A	125A
破壞電壓	Maximum Transient Overvoltage [Vpk]	1200	1200	1200	1200	1200
洩漏電流	Maximum Off-State Leakage Current @Rated Voltage [mA]	Less 3mA	Less 3mA	Less 3mA	Less 3mA	Less 3mA
最大瞬間承受電流	Maximum Surge Current [Adc] (10ms)	500A	750A	900A	1000A	1250A
動作壓降	Maximum On-State Voltage Drop @ Rated Current [VACrms]	1.5	1.5	1.5	1.5	1.5
瞬間電壓變化率	Maximum Off-State dv/dt [V/uSEc]	1000	1000	1000	1000	1000

輸入規格 INPUT SPECIFICATIONS

品名	Description	KD40R50AX	KD40R75AX	KD40R90AX	KD40R100AX	KD40R125AX
控制電壓範圍	Control Voltage Range	4-32VDC	4-32VDC	4-32VDC	4-32VDC	4-32VDC
最小導通電壓	Minimum Turn-on Voltage	3.0	3.0	3.0	3.0	3.0
最小關斷電壓	Minimum Turn-off Voltage	1.0	1.0	1.0	1.0	1.0
輸入電流	Typical Input Current	15mA	15mA	15mA	15mA	15mA
最大動作時間	Maximum Turn-on Time [mSec]	8.3m Sec	8.3m Sec	8.3m Sec	8.3m Sec	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

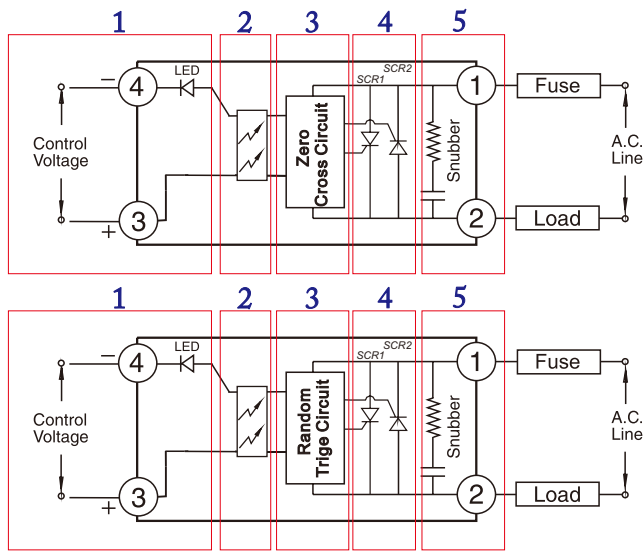
一般規格 GENERAL SPECIFICATIONS

品名	Description	KD40R50AX	KD40R75AX	KD40R90AX	KD40R100AX	KD40R125AX
輸入/輸出至外殼絕緣電壓	Dielectric Strength , Input-Output Base (50/60Hz)	2500	2500	2500	2500	2500
輸入/輸出絕緣電壓	Dielectric Strength , Input-Output (50/60Hz)	2500	2500	2500	2500	2500
絕緣電阻	Minimum Insulation Resistance	10 ⁹ ohm	10 ⁹ ohm	10 ⁹ ohm	10 ⁹ ohm	10 ⁹ ohm
輸入-輸出容抗	Maximum Capacitance , Input-Output	Less 15pf	Less 15pf	Less 15pf	Less 15pf	Less 15pf
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	Switch ing Type	Random Switch	Random Switch	Random Switch	Random Switch	Random Switch
重量	Weight (g)	100g	100g	100g	100g	100g

GENERAL NOTES

- (1) All parameters at 25°C unless otherwise specified
- (2) Dielectric strength and insulation resistance are measured between input and output
- (3) Heat sinking require ,for derating curves see next page.

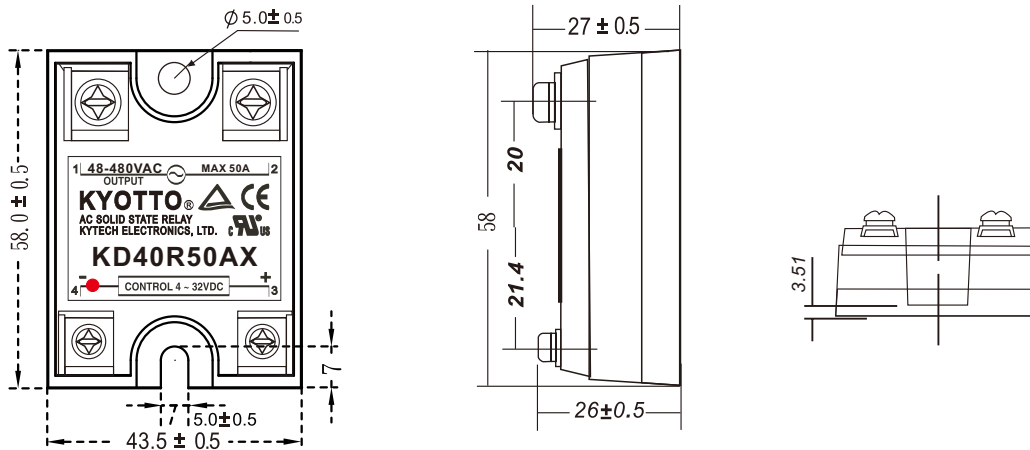
等效電路圖 EQUIVALENT CIRCUIT



- 1.INPUT CIRCUIT
- 2.PHOTO DETECTOR
- 3.ZERO CROSS CIRCUIT
- 4.OUTPUT CIRCUIT
- 5.PROTECTED CIRCUIT

- 1.INPUT CIRCUIT
- 2.PHOTO DETECTOR
- 3.RANDOM SWITCHING
- 4.OUTPUT CIRCUIT
- 5.PROTECTED CIRCUIT

外觀尺寸圖 MECHANICAL DIMENSIONS (Unit:mm)



特性曲線圖 CHARACTERISTIC CURVES

