

固態繼電器 SOLID STATE RELAY

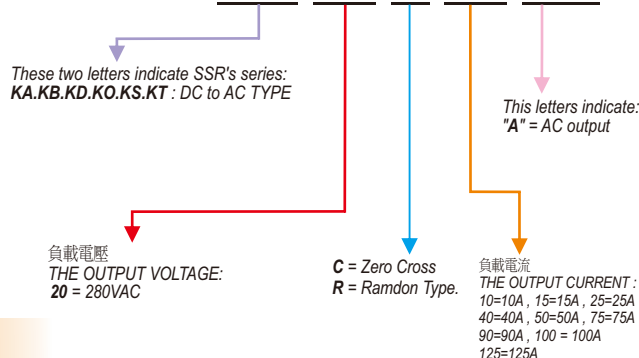
KD20R50AX
KD20R75AX
KD20R90AX
KD20R100AX
KD20R125AX

KD20R(DC-AC) SERIES



型號索引說明 Model No. Descriptions:

KD 20 R 50 AX



產品摘錄 PRODUCT SELECTON

輸出規格 OUTPUT SPECIFICATIONS

| 品名 | Description | KD20R50AX | KD20R75AX | KD20R90AX | KD20R100AX | KD20R125AX |
|----------|--|-----------|-----------|-----------|------------|------------|
| 負載電壓範圍 | Operating Voltage [VAC] | 24-280VAC | 24-280VAC | 24-280VAC | 24-280VAC | 24-280VAC |
| 最大負載電流 | Maximum Load Current [A] | 50A | 75A | 90A | 100A | 125A |
| 破壞電壓 | Maximum Transient Overvoltage [Vpk] | 600 | 600 | 600 | 600 | 600 |
| 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 [A] (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] | 500 | 500 | 500 | 500 | 500 |

輸入規格 INPUT SPECIFICATIONS

| 品名 | Description | KD20R50AX | KD20R75AX | KD20R90AX | KD20R100AX | KD20R125AX |
|--------|------------------------------|------------------|------------------|------------------|------------------|------------------|
| 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 | 4 | 4 | 4 | 4 | 4 |
| 最大關斷電壓 | Maximum Turn-off Voltage | 1 | 1 | 1 | 1 | 1 |
| 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 |

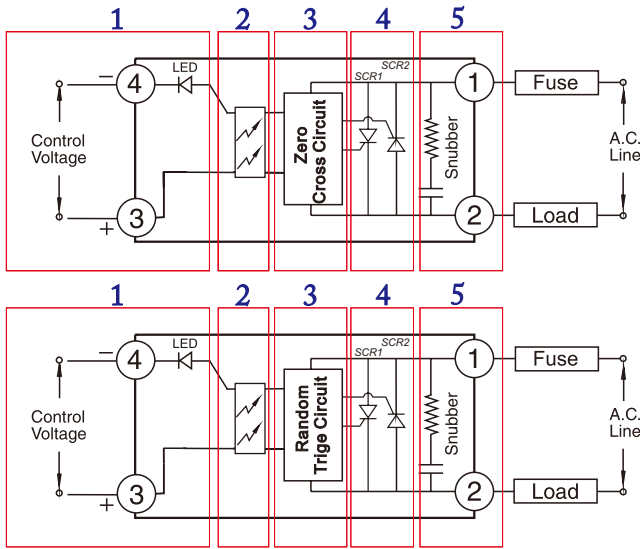
一般規格 GENERAL SPECIFICATIONS

| 品名 | Description | KD20R50AX | KD20R75AX | KD20R90AX | KD20R100AX | KD20R125AX |
|--------------|--|---------------------|---------------------|---------------------|---------------------|---------------------|
| 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 | Switching Type | Random Switching | Random Switching | Random Switching | Random Switching | Random Switching |
| 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.

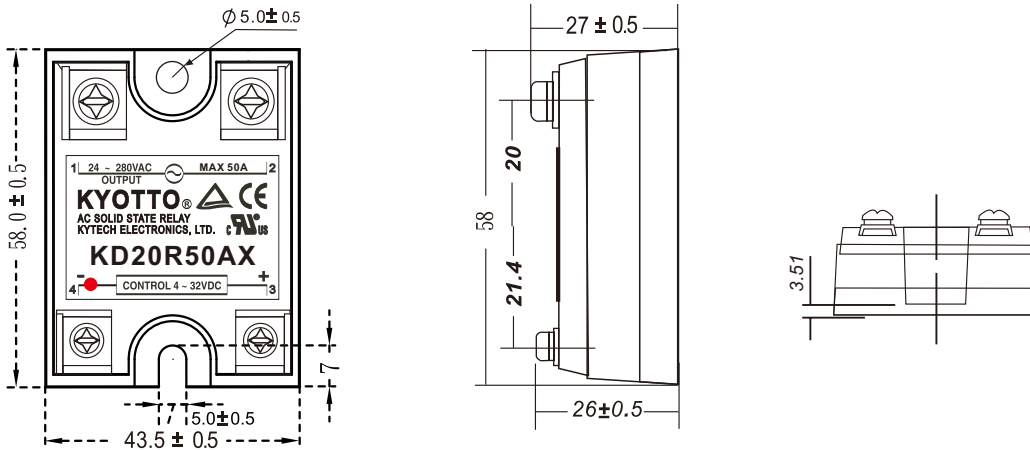
等效電路圖 EQUIVALENT CIRCUIT



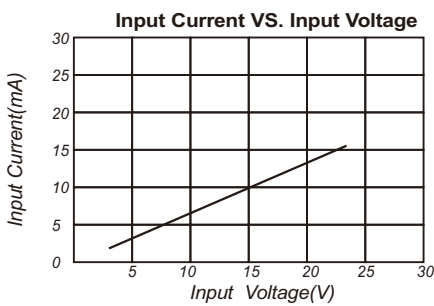
- 1.INPUT CIRCUIT
- 2.PHOTO DETECTOR
- 3.**ZERO CROSS CIRCUIT**
- 4.OUTPUT CIRCUIT
- 5.PROTECTED CIRCUIT

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

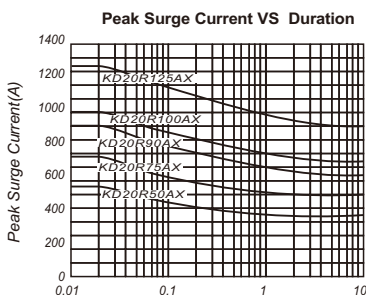
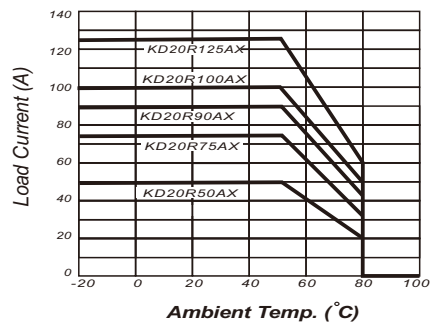
外觀尺寸圖 MECHANICAL DIMENSIONS (Unit:mm)



特性曲線圖 CHARACTERISTIC CURVES



Load Current VS. Ambient Temp.



Input Characteristics VS. Ambient Temperature

