



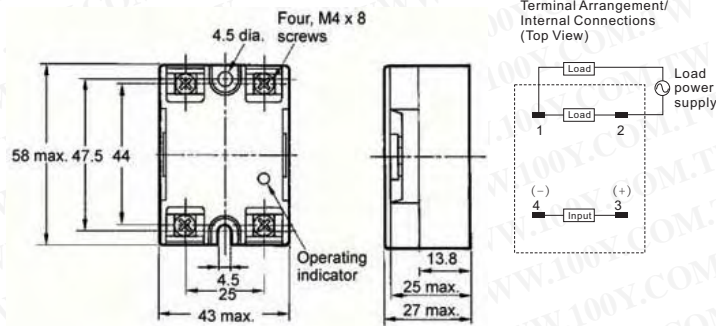
# Relays & Solenoids

## Surface Mounting Power AC To AC Solid State Relays

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



- All models feature the same compact dimensionsto provide a uniform mounting pitch.
- Built-in varistor effectively absorb external surges.
- Operation indicator (red LED) enables monitoring operation.
- Protective cover for greater safety.
- Standard models approved by UL/CSA and -UTU models by VDE (TÜV).



### Characteristics

Item	G3NA-210B
Operate time	1/2 of load power source cycle + 1 ms max. (DC input) 3/2 of load power source cycle + 1 ms max. (AC input)
Release time	1/2 of load power source cycle + 1 ms max. (DC input) 3/2 of load power source cycle + 1 ms max. (AC input)
Output ON voltage drop	1.6 V (RMS) max.
Leakage current	5 mA max. (at 100 VAC) 10 mA max. (at 200 VAC)
Insulation resistance	100 MΩ min. (at 500 VDC)
Dielectric strength	2,500 VAC, 50/60 Hz for 1 min
Vibration resistance	Malfunction: 10 to 55 Hz, 1.5-mm double amplitude
Shock resistance	Malfunction: 1,000 m/s <sup>2</sup>
Ambient temperature	Operating: -30°C to 80°C (with no icing or condensation) Storage: -30°C to 100°C (with no icing or condensation)
Ambient humidity	Operating: 45% to 85%
Weight	Approx. 60 g



Part No.	Product No.	Manufacturer	Description	Vin drive voltage	Irms Load current	Vrms Load voltage	Switching Type
46980	G3NA-210B-AC200-240	OMRON	AC/AC Solid State Relay	200~240VAC	10A	24~240VAC	Zero-Cross



### 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
KL20C-10AX	80 TO 280 VAC	MAX10VAC	1.5Kohm	10A	24-280VAC	600VAC	LESS 5 mA	47-70HZ
KL20C-25AX	80 TO 280 VAC	MAX10VAC	1.5Kohm	25A	24-280VAC	600VAC	LESS 5 mA	47-70HZ
KL20C-40AX	80 TO 280 VAC	MAX10VAC	1.5Kohm	40A	24-280VAC	600VAC	LESS 5 mA	47-70HZ

Model NO.	Isolation Impedence	Dielectric strength input-output	Dielectric strength input output-case	Turn-on time	Turn-off time	Capacitance in-out	Weight (g)
KL20C-10AX	10 <sup>9</sup> ohm	4000 VACrms	2500 VACrms	LESS 2 mSec	LESS ½ AC cycle	LESS 15 PF	92g
KL20C-25AX	10 <sup>9</sup> ohm	4000 VACrms	2500 VACrms	LESS 2 mSec	LESS ½ AC cycle	LESS 15 PF	95g
KL20C-40AX	10 <sup>9</sup> ohm	4000 VACrms	2500 VACrms	LESS 2 mSec	LESS ½ AC cycle	LESS 15 PF	95g

Part No.	Product No.	Manufacturer	Description	Vin drive voltage	Irms Load current	Vrms Load voltage	Switching Type
8450	KL20C10AX	KYOTTO	Surface Mounting Power AC-AC SSR	80~280VAC	10A	24~280VAC	Zero-Cross
6337	KL20C25AX	KYOTTO	Surface Mounting Power AC-AC SSR	80~280VAC	25A	24~280VAC	Zero-Cross
18336	KL20C40AX	KYOTTO	Surface Mounting Power AC-AC SSR	80~280VAC	40A	24~280VAC	Zero-Cross

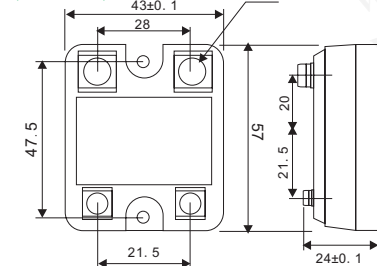


### SPECIFICATIONS

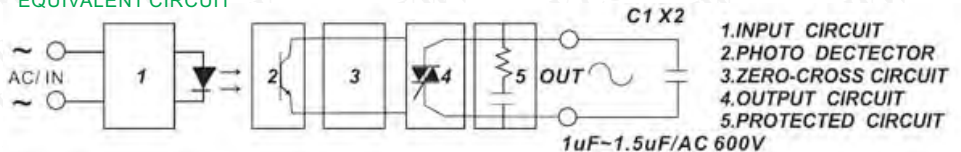
Model No.	Control voltage range	Must turn off voltage	Input Impedance	Max load current	Load voltage range	Min blocking voltage	Max off-state leakage	Frequency range
KL40C-25AX	50-250 VAC	MAX10VAC	1.5Kohm	25A	48-480VAC	1200VAC	15 mA	47-70HZ

Model NO.	Isolation Impedence	Dielectric strength input-output	Dielectric strength input output-case	Turn-on time	Turn-off time	Capacitance in-out	Weight (g)
KL40C-25AX	10 <sup>9</sup> ohm	4000 VACrms	2500 VACrms	LESS 2 mSec	LESS ½ AC cycle	LESS 15 PF	95g

### OUTLINE DIMENSIONS (Unit: mm)



### EQUIVALENT CIRCUIT



Part No.	Product No.	Manufacturer	Description	Vin drive voltage	Irms Load current	Vrms Load voltage	Switching Type
13689	KL40C25AX	KYOTTO	Surface Mounting Power AC-AC SSR	80~280VAC	25A	48~480VAC	ZERO-CROSS

