


Extremely Thin Relays Integrated with Heat Sinks

- Downsizing achieved through optimum design of heat sink.
- Mounting possible via screws or via DIN track.
- Close mounting possible for linking terminals. (Except for G3PA-260B-VD and G3PA-450B-VD-2.)
- Applicable with 3-phase loads.
- Replaceable power element cartridges.
- Comply with VDE 0160 (finger protection), with a dielectric strength of 4,000 V between input and load.
- Certified by UL, CSA, and VDE (reinforced insulation).



 Refer to *Safety Precautions for All Solid State Relays*.

Model Number Structure

■ Model Number Legend

G3PA-□□□□-□-□
 1 2 3 4 5 6 7

- 1. Basic Model Name**
G3PA: Solid State Relay
- 2. Rated Load Power Supply Voltage**
2: 200 VAC
4: 400 VAC
- 3. Rated Load Current**
10: 10 A
20: 20 A
30: 30 A
40: 40 A
50: 50 A
60: 60 A
- 4. Terminal Type**
B: Screw terminals
- 5. Zero Cross Function**
Blank: Equipped with zero cross function
L: Not equipped with zero cross function
- 6. Certification**
VD: Certified by UL, CSA, and VDE
- 7. Special Specifications**
Blank: Standard models
2: 480-V models

Ordering Information

■ List of Models

Model	Isolation	Zero cross function	Indicator	Rated output load	Rated input voltage		
G3PA-210B-VD	Phototriac coupler	Yes	Yes	10 A at 24 to 240 VAC	5 to 24 VDC		
G3PA-220B-VD				20 A at 24 to 240 VAC			
G3PA-240B-VD				40 A at 24 to 240 VAC			
G3PA-260B-VD				60 A at 24 to 240 VAC			
G3PA-210BL-VD		No		10 A at 24 to 240 VAC			
G3PA-220BL-VD				20 A at 24 to 240 VAC			
G3PA-240BL-VD				40 A at 24 to 240 VAC			
G3PA-260BL-VD				60 A at 24 to 240 VAC			
G3PA-210B-VD		Yes		10 A at 24 to 240 VAC	24 VAC		
G3PA-220B-VD				20 A at 24 to 240 VAC			
G3PA-240B-VD				40 A at 24 to 240 VAC			
G3PA-260B-VD				60 A at 24 to 240 VAC			
G3PA-420B-VD						20 A at 180 to 400 VAC	12 to 24 VDC
G3PA-430B-VD						30 A at 180 to 400 VAC	
G3PA-420B-VD-2						20 A at 200 to 480 VAC	
G3PA-430B-VD-2						30 A at 200 to 480 VAC	
G3PA-450B-VD-2	50 A at 200 to 480 VAC						

Note: When ordering, specify the rated input voltage.

Replacement Parts

Name	Carry current	Load voltage range	Model	Applicable SSR	VDE certification	
Power Device Cartridge	10 A	19 to 264 VAC	G32A-A10-VD DC5-24	G3PA-210B-VD DC5-24	Yes	
			G32A-A10L-VD DC5-24	G3PA-210BL-VD DC5-24		
			G32A-A10-VD AC24	G3PA-210B-VD AC24		
			G32A-A20-VD DC5-24	G3PA-220B-VD DC5-24		
	20 A		G32A-A20L-VD DC5-24	G3PA-220BL-VD DC5-24		
			G32A-A20-VD AC24	G3PA-220B-VD AC24		
			40 A	G32A-A40-VD DC5-24		G3PA-240B-VD DC5-24
				G32A-A40L-VD DC5-24		G3PA-240BL-VD DC5-24
	G32A-A40-VD AC24			G3PA-240B-VD AC24		
	60 A			G32A-A60-VD DC5-24		G3PA-260B-VD DC5-24
			G32A-A60L-VD DC5-24	G3PA-260BL-VD DC5-24		
			G32A-A60-VD AC24	G3PA-260B-VD AC24		
			20 A	150 to 440 VAC		G32A-A420-VD DC12-24
	G32A-A430-VD DC12-24					G3PA-430B-VD DC12-24
	30 A		180 to 528 VAC	G32A-A420-VD-2 DC12-24		G3PA-420B-VD-2 DC12-24
				G32A-A430-VD-2 DC12-24		G3PA-430B-VD-2 DC12-24
G32A-A450-VD-2 DC12-24		G3PA-450B-VD-2 DC12-24				

■ Other Units (Order Separately)

Units that Enable 2-line Switching of 3-phase Power

Name	Current flow	Model	Applicable SSR
Short-circuit Unit	10 A	G32A-D20	G3PA-210B-VD, G3PA-210BL-VD
	20 A		G3PA-220B-VD, G3PA-220BL-VD G3PA-420B-VD, G3PA-420B-VD-2
	30 A	G32A-D40	G3PA-430B-VD, G3PA-430B-VD-2
	40 A		G3PA-240B-VD, G3PA-240BL-VD

Note: Refer to *List of Certified Models* for a list of products that comply with safety standards.