

# Power Solid-state Relay G3PA-(VD)

## Extremely Thin Relays Integrated with Heat Sink

- 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, G3PA-450B-VD-2.)
- Applicable with 3-phase loads.
- Replaceable power element cartridges.
- Conforms to VDE 0160 (finger protection), with a dielectric strength of 4,000 V between input and load.
- Conforms to VDE 0805, IEC 950.
- Approved by UL, CSA, and VDE (reinforced insulation).



## Ordering Information

### ■ List of Models

Model	Isolation	Zero cross function	Indicator	Applicable 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	24 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						

SSR

## Replacement Parts

Name	Carry current	Load voltage	Model	Applicable SSR	Conforms to VDE
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	
	20 A		G32A-A20-VD DC5-24	G3PA-220B-VD DC5-24	
			G32A-A20L-VD DC5-24	G3PA-220BL-VD DC5-24	
			G32A-A20-VD AC24	G3PA-220B-VD AC24	
	40 A	150 to 440 VAC	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	180 to 528 VAC	G32A-A420-VD DC12-24	G3PA-420B-VD DC12-24	
	30 A		G32A-A430-VD DC12-24	G3PA-430B-VD DC12-24	
	20 A	75 to 264 VAC	G32A-A420-VD-2 DC12-24	G3PA-420B-VD-2 DC12-24	
	30 A		G32A-A430-VD-2 DC12-24	G3PA-430B-VD-2 DC12-24	
	50 A		G32A-A450-VD-2 DC12-24	G3PA-450B-VD-2 DC12-24	
	10 A	180 to 528 VAC	G32A-A10	G3PA-210B DC5-24	
	20 A		G32A-A20	G3PA-220B DC5-24	
	40 A		G32A-A40	G3PA-240B DC5-24	
20 A	180 to 528 VAC	G32A-A420	G3PA-420B DC5-24		
30 A		G32A-A430	G3PA-430B DC5-24		

### ■ 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-420BL-VD
	30 A	G32A-D40	G3PA-430B-VD, G3PA-430BL-VD
	40 A		G3PA-240B-VD, G3PA-240BL-VD