

Solid State Relays G3PA/G3PB

Single Phase SSRs with Built-in Heat Sinks


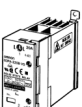

- Built-in heat sink increases service life and reliability for frequently cycling circuits
- Operation indicator turns on when control power is applied
- DIN rail mount
- Relays with replaceable triac output cartridge (G3PA) simplifies maintenance
- Built-in linking brackets for dense side-by-side mounting (G3PA)
- Conforms to international safety standards: UL508 File No. E64562; CSA C22.2 (No. 14, No. 950) File No. LR35535; EN60950 File No. 5915UG





Specifications

- Zero cross function, reduces initial inrush load currents
- Leakage current:
 - 10 A and 20 A G3PA: 5 mA max. at 120 VAC 10 mA max. at 230 VAC
 - 40 A and 60 A G3PA: 10 mA max. at 120 VAC 20 mA max. at 230 VAC
 - 20 A, 200-480 VAC G3PA: 20 mA max. at 400 VAC
 - All G3PB models: 10 mA max. at 200 VAC

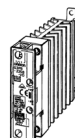
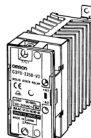
■ G3PA Single-Phase SSRs, Replaceable Triac Output Cartridge

Appearance/ Dimensions H x W x D mm	Isolation	Input voltage	Load current	Load voltage	Inrush current	Model
 100 x 27 x 100	Phototriac	5-24 VDC	10 amps	19 to 264 VAC (50/60 Hz)	150 amps, 60 Hz	G3PA-210B-VD DC5-24
 100 x 37 x 100	Phototriac	5-24 VDC	20 amps	19 to 264 VAC (50/60 Hz)	220 amps, 60 Hz	G3PA-220B-VD-DC5-24
 100 x 47 x 100	Phototriac	5-24 VDC	40 amps	19 to 264 VAC (50/60 Hz)	440 amps, 60 Hz	G3PA-240B-VD-DC5-24




■ G3PA Single-Phase SSRs, Replaceable Triac Output Cartridge

Appearance/ Dimensions H x W x D mm	Isolation	Input voltage	Load current	Load voltage	Inrush current	Model
 100 x 110 x 100	Phototriac	5-24 VDC	60 amps	19 to 264 VAC (50/60 Hz)	440 amps, 60 Hz	G3PA-260B-VD DC5-24
 100 x 37 x 100	Phototriac	12-24 VDC	20 amps	180 to 528 VAC (50/60 Hz)	220 amps, 60 Hz	G3PA-420B-VD DC5-24

■ G3PB Single-Phase SSRs

Appearance/ Dimensions H x W x D mm	Isolation	Input voltage	Load current	Load voltage	Inrush current	Model
 100 x 22.5 x 100	Phototriac	12-24 VDC	15 amps	75 to 264 VAC (50/60 Hz)	150 amps, 60 Hz	G3PB-215B-VD DC12-24
	Phototriac	12-24 VDC	25 amps	75 to 264 VAC (50/60 Hz)	220 amps, 60 Hz	G3PB-225B-VD DC12-24
 100 x 44.5 x 100	Phototriac	12-24 VDC	35 amps	75 to 264 VAC (50/60 Hz)	440 amps, 60 Hz	G3PB-235B-VD DC12-24
	Phototriac	12-24 VDC	45 amps	75 to 264 VAC (50/60 Hz)	440 amps, 60 Hz	G3PB-245B-VD DC12-24

■ Accessories

Description	Appearance	Dimensions H x W x D mm	Specification	Model
Mounting track		500 L x 35 H x 7.3 D	0.5 m length	PFP-50N
		1000 L x 35 H x 7.3 D	1 m length	PFP-100N
		1000 L x 35 H x 16.0 D	1 m length	PFP-100N2
End plate		50 x 10 x 10	Holds track-mounted devices in place	PFP-M

■ Replacement Parts

Description	Carry current	Applicable SSR	Model
Power device cartridge	10 A	G3PA-210B-VD DC5-24	G32A-A10-VD DC5-24
	20 A	G3PA-220-VD DC5-24	G32A-A20-VD DC5-24
	40 A	G3PA-240-VD DC5-24	G32A-A40-VD DC5-24
	60 A	G3PA-260-VD DC5-24	G32A-A60-VD DC5-24
	20 A	G3PA-420-VD DC12-24	G32A-A420-VD DC12-24

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OMRON ELECTRONIC
COMPONENTS LLC

55 E. Commerce Drive, Suite B
Schaumburg, IL 60173

847-882-2288

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