

Solid-state Relays

Item Model	G3NE	G3NA	G3NH	G3PA	G3PE
Appearance					
Phase available	Single			Single/Optional 2 legs	Single / Three-phase, 2/3 legs
Maximum load voltage (AC/DC)	75 to 264 VAC	24 to 480 VAC; 5 to 200 VDC	100 to 440 VAC	24 to 480 VAC	100 to 480 VAC
Maximum current available	5 A, 10 A, 20 A	5 A, 10 A, 20 A, 40 A, 50 A, 75 A, 90 A	75 A, 150 A	10 A, 20 A, 30 A, 40 A, 50 A, 60 A	15 A, 25 A, 35 A, 45 A
Firing method	Zero crossover				Zero crossover and standard ON/OFF
Signal input	VDC logic signal	VAC/VDC logic signal			VDC logic signal
Soft-start function	Not supported				
Duty setting	Not supported				
Built-in current transformer	No				
Support external CT	No				
Communication option	Not supported				
Type of mounting	Screw type				
Heat sink option	Order as accessories		Integrated		
Certification approval	UL, CSA, IEC/EN (TÜV)	UL, CSA, -UTU model by TÜV	Standard	UL, CSA, VDE (reinforce insulation)	UL, CSA, EN (TÜV certification)
Self detection function	Not supported				
Alarm output	Not supported				
Replaceable power cartridge/ module	No		Yes (thyristor module)	Yes (power device cartridge)	No

Item Model	G3PC	G3PF
Appearance		
Phase available	Single	
Maximum load voltage (AC/DC)	100 to 240 VAC	100 to 480 VAC
Maximum current available	20 A	25 A, 35 A
Firing method	Zero crossover	
Signal input	VDC logic signal	
Soft-start function	Not supported	
Duty setting	Not supported	Supported
Built-in current transformer		Built-in
Support external CT	Yes	
Communication option	Not supported	
Type of mounting	Screw type	
Heat sink option	Integrated	
Certification approval	EC, UL, CSA	UL, CSA, EN certification
Self detection function	SSR failure detection	SSR failure detection, heater failure detection
Alarm output	Supported	
Replaceable power cartridge/ module	No	

Power Controllers

Item	Model	G3PW	G3PX	G3ZA
Appearance				
Phase available		Single-phase	Single / Three-phase	Eight-phase with SSR
Maximum load voltage (AC/DC)		100 to 240 VAC	100/110 VAC and 200/230 VAC	100 to 480 VAC
Maximum current available		20 A, 45 A, 60 A	20 A, 40 A, 60 A (single- phase); 20 A, 60 A (three-phase)	Define on SSR selection
Firing method		Phase angle / optimum cycle	Phase angle firing	Control up to 8 SSRs
Signal input		4 to 20 mA VDC logic signal		RS-485 Compoway/F
Soft-start function		Supported		
Duty setting		Supported		Not supported
Built-in current transformer		Yes (current-constant model)	No	
Support external CT		No	Yes	
Communication option		RS-485	Not supported	RS-485 Compoway/F
Type of mounting		Screw mounting		Screw or DIN rail mounting
Heat sink option		Integrated		--
Certification approval		CE and UL pending	UL, CSA	CE Mark, TÜV, UL, CSA
Self detection function		SSR failure detection, heater failure detection		
Alarm output		Supported		
Replaceable power cartridge / module		---	Yes, Power device cartridge, and variable resistor	---