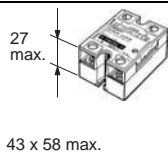
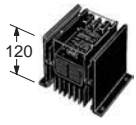
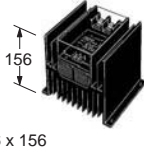
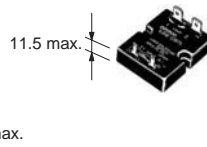


Classification		Control panel mounting type				
Model	G3NA		G3NH			
	G3NA-420B	G3NA-440B	G3NA-D210B	G3NH-2075B	G3NH-4075B	
Appearance and dimensions (W x H x D) (mm)		 <p>27 max. 43 x 58 max.</p>		 <p>120 150 x 120</p>		
Features		<ul style="list-style-type: none"> <li>All models are of the same size.</li> <li>Provided with terminal protection covers.</li> </ul>		<ul style="list-style-type: none"> <li>Controlling high-power loads</li> <li>Heat sink incorporated</li> <li>Replaceable power cartridge</li> </ul>		
Output	Insulation	Photocoupler		Photocoupler		
	Element	Thyristor	Thyristor	Transistor	Thyristor	Thyristor
	Load voltage	180 to 528 VAC		4 to 220 VDC	75 to 264 VAC	150 to 484 VAC
	Maximum switching current	20 A	40 A	10 A	75 A	
	Leakage current	10 mA max. at 200 VAC 20 mA max. at 400 VAC		5 mA max. at 200 VDC	30 mA max. at 200 VAC 60 mA max. at 400 VAC	
	$V_{DRM}$ , $V_{CEO}$ , $V_{DS}$ (V)	1,200 ( $V_{DRM}$ )		400 ( $V_{CEO}$ )	600 ( $V_{DRM}$ )	1,200 ( $V_{DRM}$ )
	$di/dt$ (A/ $\mu$ s)	100		---	150	
	$dv/dt$ (V/ $\mu$ s)	300		---	500	
	$I^2t$ (A <sup>2</sup> s)	260	1,800	---	12,800	
	$T_j$ (°C) max.	125		150	125	
Rated input voltage	5 to 24 VDC, 100 to 240 VAC			5 to 24 VDC, 100 to 240 VAC		
Reverse polarity protection for input	Yes (-32 VDC max.)			Yes (-30 VDC max.)		
Dielectric strength (between input and output terminals)	2,500 VAC, 50/60 Hz for 1 min			2,500 VAC, 50/60 Hz for 1 min		
Ambient temperature (operating)	-30° to 80°C (with no icing or condensation)			-30° to 80°C (with no icing or condensation)		
Function	Zero cross	Yes	No	Yes		
	Operation indicator	Yes	Yes	Yes		
	Built-in varistor	Yes	No	Yes		
Terminal type	Plug-in	No			No	
	Screw	Yes			Yes	
	Tab	No			No	
	PCB	No			No	
	Mounting method	Panel mounting			Panel mounting	
Magnet relay with compatible terminals	---			---		
Certified standards	UL, CSA		UL, CSA, TÜV (with -UTU version), CE	---		
Socket	---			---		
Weight	Approx. 80 g		Approx. 70 g	Approx. 1.8 kg		
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- Note:** 1.  $V_{DRM}$ : Repetitive forward and reverse OFF-state voltage  
 $V_{CEO}$ : Collector-emitter voltage  
 $V_{DS}$ : Drain-source voltage
2. The above values are engineering data (reference values) for each output semiconductor incorporated by the respective SSRs.
3. The selection guide tables provide only specific specifications. Check the detailed specifications and read the precautions in the datasheets later in this catalog before attempting to use a product.

Classification		Control panel mounting type									
Model	G3NH		G3NE								
	G3NH-2150B	G3NH-4150B	G3NE-205T-US	G3NE-205TL-US	G3NE-210T-US	G3NE-210TL-US	G3NE-220T-US	G3NE-220TL-US			
Appearance and dimensions (W x H x D) (mm)		 186 x 156		 37.5 x 47 max.							
Features		<ul style="list-style-type: none"> <li>Controlling high-power loads</li> <li>Heat sink incorporated</li> <li>Replaceable power cartridge</li> </ul>		<ul style="list-style-type: none"> <li>Miniature, low-cost SSR</li> <li>Tab terminals</li> </ul>							
Output	Insulation	Photocoupler		Phototriac							
	Element	Thyristor	Thyristor	Triac	Triac	Triac	Triac	Triac	Triac		
	Load voltage	75 to 264 VAC		75 to 264 VAC							
	Maximum switching current	150 A		5 A		10 A		20 A			
	Leakage current	30 mA max. at 200 VAC 60 mA max. at 400 VAC		5 mA max. at 100 VAC 10 mA max. at 200 VAC							
	V <sub>DRM</sub> , V <sub>CEO</sub> , V <sub>DS</sub> (V)	600 (V <sub>DRM</sub> )   1200 (V <sub>DRM</sub> )		600 (V <sub>DRM</sub> )							
	di/dt (A/μs)	200		100		50					
	dv/dt (V/μs)	500		200		500		100			
	I <sup>2</sup> t (A <sup>2</sup> s)	26,500		24.5		60		260			
	T <sub>j</sub> (°C) max.	125		125							
Rated input voltage		5 to 24 VDC, 100 to 240 VAC		5, 12, 24 VDC							
Reverse polarity protection for input		Yes (-30 VDC max.)		Yes (5 VDC: -6 VDC max.; 12 VDC: -14.4 VDC max.; 24 VDC: -28.8 VDC max.)							
Dielectric strength (between input and output terminals)		2,500 VAC, 50/60 Hz for 1 min		2,000 VAC, 50/60 Hz for 1 min							
Ambient temperature (operating)		-30° to 80°C (with no icing or condensation)		-30° to 80°C (with no icing or condensation)							
Function	Zero cross	Yes		Yes		No		Yes		No	
	Operation indicator	Yes		No							
	Built-in varistor	Yes		Yes							
Terminal type	Plug-in	No		No							
	Screw	Yes		No							
	Tab	No		Yes							
	PCB	No		No							
	Mounting method	Panel mounting		Panel mounting							
Magnet relay with compatible terminals		---		---							
Certified standards		---		UL, CSA, TÜV, CE							
Socket		---		---							
Weight		Approx. 3.0 kg		Approx. 37 g							
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- Note:** 1. V<sub>DRM</sub>: Repetitive forward and reverse OFF-state voltage  
V<sub>CEO</sub>: Collector-emitter voltage  
V<sub>DS</sub>: Drain-source voltage
2. The above values are engineering data (reference values) for each output semiconductor incorporated by the respective SSRs.
3. The selection guide tables provide only specific specifications. Check the detailed specifications and read the precautions in the datasheets later in this catalog before attempting to use a product.