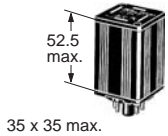
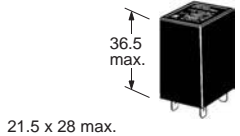
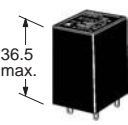





Classification		Socket mounting type					
Model	G3B/G3BD		G3H/G3HD			G3FM	
	G3B-205S-VD	G3BD-103S-VD	G3H-203SN-VD	G3H-203SLN-VD	G3HD-X03SN-VD	G3FM-2R5SLN	
Appearance and dimensions (W x H x D) (mm)							Connecting to miniature loads 
Features		Compatible with OMRON's MK		Compatible with OMRON's LY			<ul style="list-style-type: none"> No bleeder resistor AC/DC SSR
Output	Insulation	Phototriac	Photocoupler	Phototriac	Phototriac	Photocoupler	Photodiode array
	Element	Triac	Transistor	Triac	Triac	Transistor	MOSFET
	Load voltage	75 to 264 VAC	3 to 125 VDC	75 to 264 VAC		3 to 52.8 VDC	19.2 to 264 VAC, 19.2 to 125 VDC
	Maximum switching current	5 A	3 A	3 A			0.5 A
	Leakage current	5 mA max. at 100 VAC, 10 mA max. at 200 VAC	5 mA max. at 125 VAC	5 mA max. at 100 VAC, 10 mA max. at 200 VAC	2.5 mA max. at 100 VAC, 5 mA max. at 200 VAC	5 mA max. at 50 VDC	0.1 mA max. at 125 VDC
	V _{DRM} , V _{CEO} , V _{DS} (V)	600 (V _{DRM})	150 (V _{CEO})	600 (V _{DRM})		80 (V _{CEO})	500 (V _{DS})
	di/dt (A/μs)	50	---	50		---	---
	dv/dt (V/μs)	500	---	250		---	---
	I ² t (A ² s)	41.6	---	18		---	---
T _j (°C) max.	125	150	125		150	150	
Rated input voltage	5 to 24 VDC		5 to 24 VDC	5, 12, 24 VDC	5 to 24 VDC	5, 12, 24 VDC	
Reverse polarity protection for input	Yes (-30 VDC max.)		Yes (-28 VDC max.)	Yes (5 VDC: -6 VDC max.; 12 VDC: -14.4 VDC max.; 24 VDC: -28.8 VDC max.)	Yes (-28 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)	1,500 VAC, 50/60 Hz for 1 min		1,500 VAC, 50/60 Hz for 1 min			1,500 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)			-30° to 80°C (with no icing or condensation)	
Function	Zero cross	Yes	No	Yes	No	No	
	Operation indicator	Yes		Yes (Models with no operation indicator are available.)			
	Built-in varistor	No		No			
Terminal type	Plug-in	Yes		Yes			
	Screw	No		No			
	Tab	No		No			
	PCB	No		No			
	Mounting method	Socket mounting		Socket mounting			
Magnet relay with compatible terminals	MK		LY		MY		
Certified standards	UL, CSA, VDE, CE		UL, CSA, VDE, CE			---	
Socket	PF083A, PL08, PLE08-0, PL08-Q, PF083A-E		PTF08A, PT08, PT08-0, PT08QN, PTF08A-E			PYF08A, PY08, PY08-02, PY08QN(2), PYF08A-E	
Weight	Approx. 70 g		Approx. 50 g			Approx. 50 g	
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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

- The above values are engineering data (reference values) for each output semiconductor incorporated by the respective SSRs.
- 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.