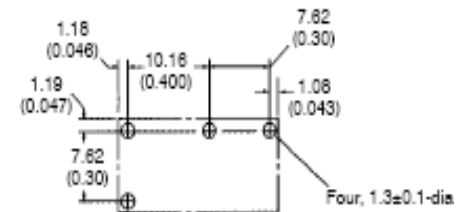


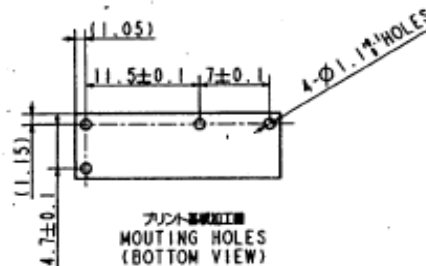
(Footprint only has partial compatibility so customer has to redesign PCB)

Specification	G5B-1	G5NB-E	G5B-1-E	G5Q
Factory Load Rating (resistive)	3A @125VAC 3A @ 30VDC	5A @125VAC 3A @30VDC	8A @125VAC 8A @ 30VDC	10A @125VAC (NO) 5A @30VDC (NO)
Max. Switching Power	750VA, 90W	1250VA, 90W	2000VA, 240W	1250VA, 150W (NO)
Min. Permissible Load (ref.)	5VDC, 10mA	5VDC, 10mA	5VDC, 100mA	5VDC, 10mA
UL Load Rating (resistive or general rating)	3A @250VAC gen. 30K Cycles	3A @250VAC res. 85C 100K Cycles	8A @250VAC res. 6K Cycles	10A @ 120VAC res. 85C 10K Cycles
UL Pilot Duty Rating	NA	E150 120VAC 70C 100K Cycles	2A 125VAC 70C 100K Cycles	C300, 100K Cycles, "EU" 65C; "standard type" 85C
UL Horsepower Rating	1/8HP 125VAC	1/10HP 277VAC***	1/8HP 125VAC****	1/4HP 250VAC 70C 30K ops
Impulse Withstand Voltage*	10kV	10kV	10kV	8kV
Dielectric Strength**	2000VAC	4000VAC	2000VAC	4000VAC
Nominal Power	360mW	200mW	360mW	200mW (NO)
Size in mm (l x w x h) max.	22.4 x 11.9 x 14.4	20.5 x 7.2 x 15.3	22.4 x 11.9 x 14.4	20.3 x 10.3 x 15.8
E-Life Res. @AC rated load	200K (30cpm)	200K (30cpm)	100K (20cpm)	50K (15cpm)
E-Life Res. @DC rated load	200K (30cpm)	200K (30cpm)	100K (20cpm)	100K (30cpm)
Standard DC Coil Voltages	5, 12, 24	5, 12, 24	5, 12, 24	5, 12, 24
Coil Class (standard)	NA	NA	NA	Class F
Operate Time (max.)	10ms	10ms	10ms	10ms
Release Time (max.)	10ms	10ms	10ms	5ms
Approvals (standard type)	UL, CSA, TUV	UL, CSA, VDE	UL, CSA, TUV	UL, CSA, VDE
Factory Max Operating Temp	70C	70C	70C	105C
Pick-up Voltage (max.)	70% of coil voltage	75% of coil voltage	75% of coil voltage	75% of coil voltage
Drop-out Voltage (min.)	5% of coil voltage	10% of coil voltage	5% of coil voltage	5% of coil voltage
Enclosure Rating	Flux-tight	Flux-tight or Sealed	Flux-tight	Flux-tight or Sealed

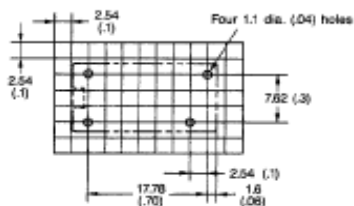
G5Q Footprint



G5NB-E Footprint



G5B-G5B-1-E Footprint

PC board dimensions
(Bottom view)

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Omron:

[G5B-1-DC9](#) [G5B-1-DC5](#) [G5B-1-E-DC24](#) [G5B-1-E-DC12](#) [G5B-1-H-DC12](#) [G5B-1-H-DC24](#) [G5B-1-DC12](#) [G5B-1-DC24](#)