

■ FEATURES

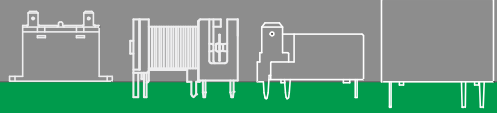
- High switching current at 30A (1 Pole) and 25A (2 Poles).
- Plug-in terminal is available.
- Both AC and DC coil available.
- High Dielectric Strength 4,000VAC.
- Comply with RoHS and REACH regulations.

■ SPECIFICATIONS

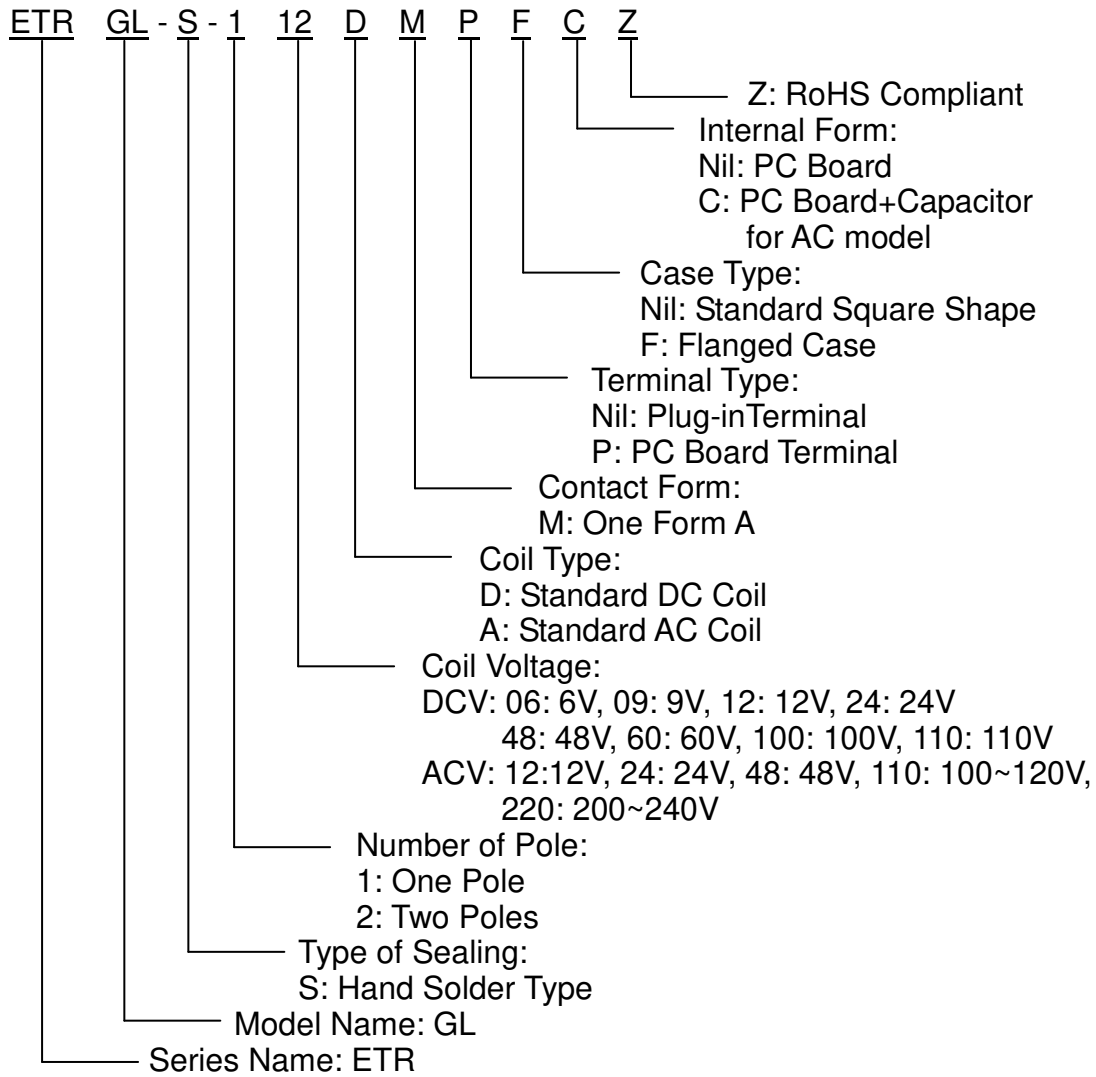
Contact Resistance	Max. 100mΩ at initial value. @1A,6VDC
Contact Capacity	GL-1P: 30 Amps at 277VAC Cosφ=1 GL-2P: 25 Amps at 277VAC Cosφ=1
Operate Time	30m Sec. Max.
Release Time	30m Sec. Max.
Dielectric Strength	Between coil & Contact: 4000VAC at 50/60Hz for one minute Between Contacts: 2000VAC at 50/60Hz for one minute Different Polarity: 3000VAC at 50/60Hz for one minute
Insulation Resistance	100MΩ Min. at 500VDC

■ COIL SPECIFICATION AT 20°C

Coil Sensitivity	Nominal Voltage (VDC)	Nominal Current (Ma)	Coil Resistance (Ω±10%)	Power Consumption	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Max. Allowable Voltage (VDC)
GL DC Coil	6	317	18.9	Abt. 1.9W	75% Max.	10% Min.	110%
	9	211	42.6				
	12	158	75.8				
	24	79	303				
	48	40	1,220				
	60	31.7	1,895				
	100	19	5,260				
GL AC Coil	110	17	6,400	Abt. 1.7~2.5VA	75% Max.	10% Min.	110%
	12	142	-				
	24	71	-				
	48	34	-				
	100~120	17~20.4	-				
200~240	8.5~10.2	-					



■ PART NUMBER SYSTEM



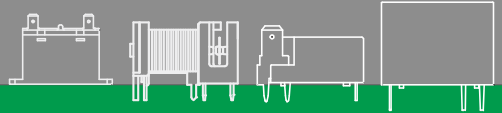
***Marking without: "ETR" & "Z".**

ETR GL-S-112DMF



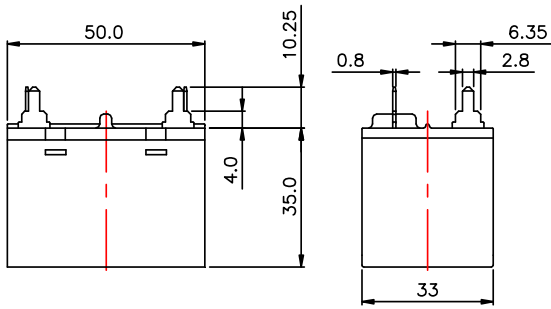
ETR GL-S-212DM



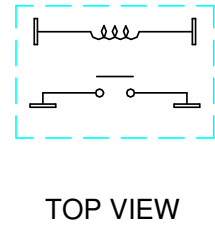
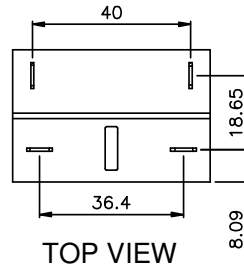
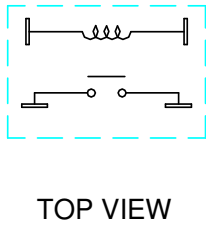
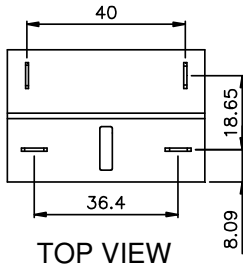
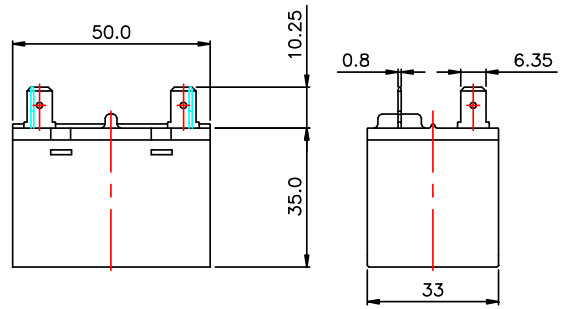


DIMENSIONS ($\leq 5\text{mm} \pm 0.2\text{mm}$, $> 5\text{mm} \pm 0.3\text{mm}$, the tolerance of PCB thru hole: $+0.1\text{mm}$)

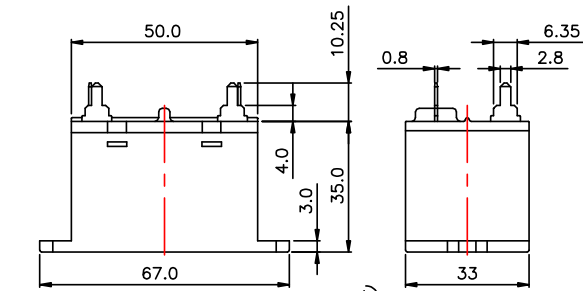
ETR GL-S1
GL-S1XXXMP



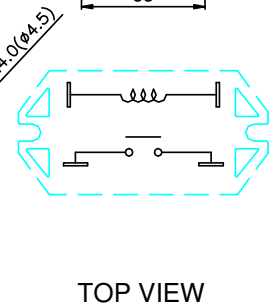
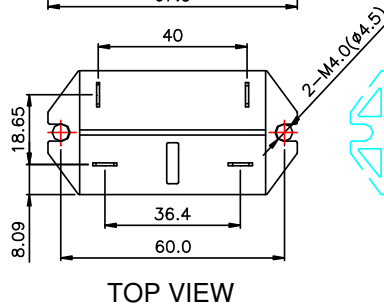
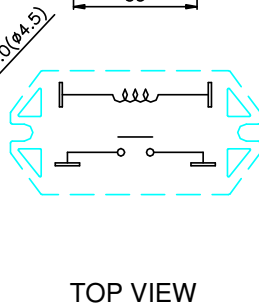
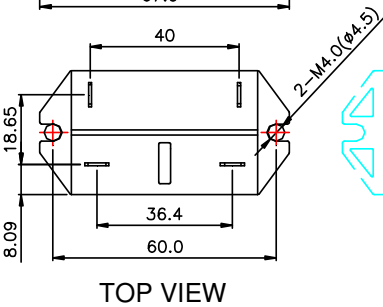
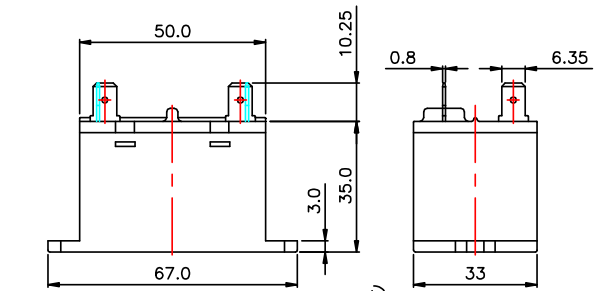
GL-S1XXXM

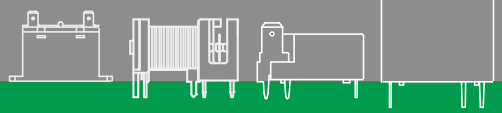


ETR GL-S1-F
GL-S1XXXMPF

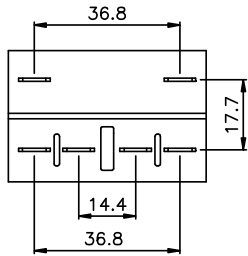
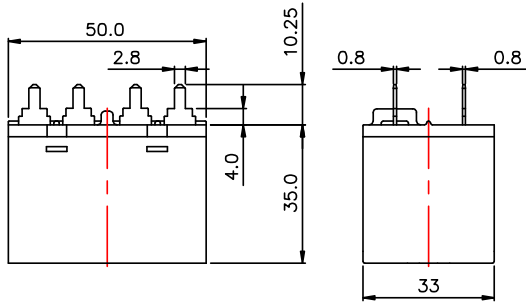


GL-S1XXXMF

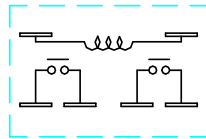




**ETR GL-S2
GL-S2XXXMP**

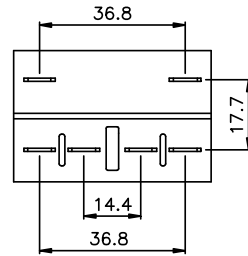
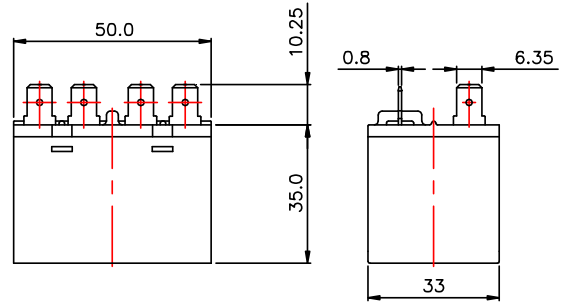


TOP VIEW

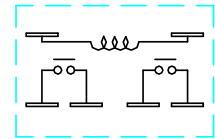


TOP VIEW

GL-S2XXXM

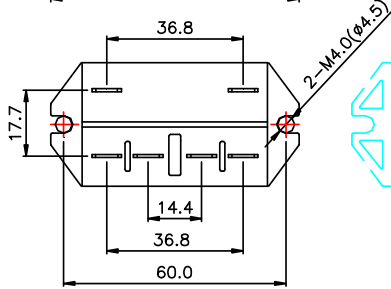
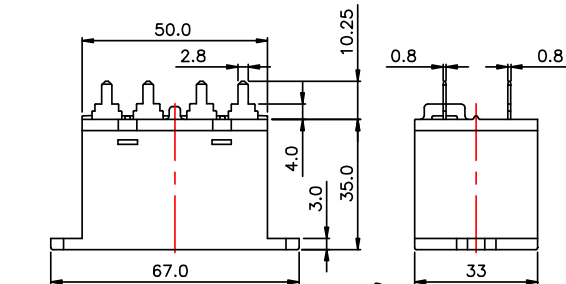


TOP VIEW

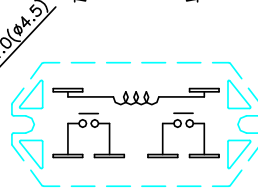


TOP VIEW

**ETR GL-S2-F
GL-S2XXXMPF**

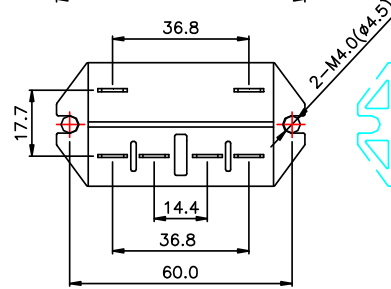
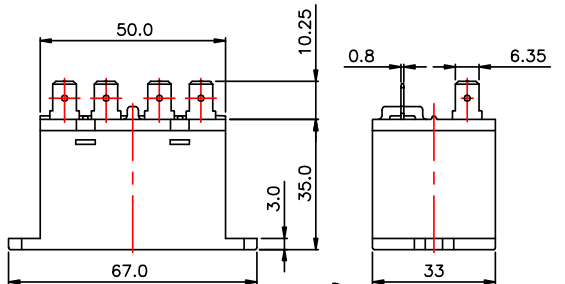


TOP VIEW

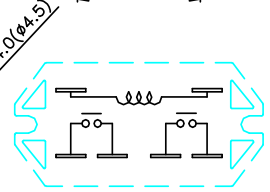


TOP VIEW

GL-S2XXXMF



TOP VIEW



TOP VIEW