



HOME APPLICATION RELAY

ETR GI SERIES

■ FEATURES

- Switching current up to 25A.
- P.C.Board & Plug-in Terminal available.
- Employment of suitable plastic materials to be applied to high temperature and various chemical solutions.
- Halogen Free series available.
- UL Class F insulation available.
- Comply with RoHS and REACH regulations.

■ SAFETY STANDARD

UL&CUL E141060 UL 508

Model	Load (Ag alloy contact)	Cycles
GI	NO: 23A, 277Vac, 85°C, Resistance	6K

TUV R50191690 IEC61810-1

Model	Load (Ag alloy contact)	Cycles
GI	NO: 25A, 277Vac, 85°C, $\cos\phi=1$ 15A, 250Vac, 85°C, $\cos\phi=0.4$	100K 50K

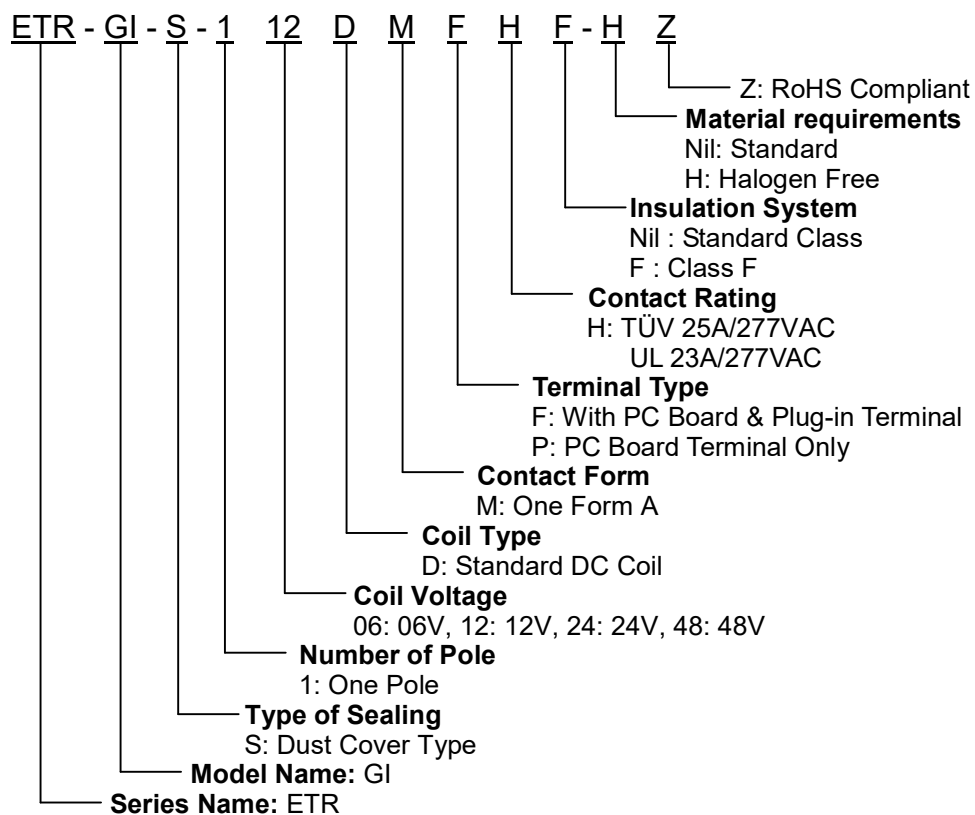
■ SPECIFICATIONS(AT INITAIL VALUE)

Contact Resistance	100 mΩ Max. @1A, 6VDC
Operate Time	20 mSec. Max.
Release Time	10 mSec. Max.
Dielectric Strength	Between Coil & Contact: 4,000VAC at 50/60Hz for one minute Between Contacts: 1,000VAC at 50/60Hz for one minute
Surge Strength	10,000V (between coil &contact 1.2x50μSec.)
Insulation Resistance	100MΩ Min. at 500VDC
Max. On/OFF Switching	Electrical: 6 cycles per Minute Mechanical: 300 cycles per Minute
Temperature Range	-20°C~+85°C
Humidity Range	45~85%RH
Coil Temperature Range	55°C Max.
Vibration	Destruction: 10 to 55 to 10 Hz, 0.75 mm single amplitude(1.5mm double amplitude) Malfunction: 10 to 55 to 10 Hz, 0.75mm single amplitude(1.5mm double amplitude)
Shock	Destruction: 1,000 m/s ² Malfunction: 100 m/s ²
Mechanical Life	10 ⁷ operations at no load condition.
Weight	About 26.6g

■ COIL SPECIFICATION AT 20°C

Coil Sensitivity	Nominal Voltage (VDC)	Nominal Current (Ma)	Coil Resistance ($\Omega \pm 10\%$)	Power Consumption (W)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Max. Allowable Voltage (VDC)
GI	6	150	40	Abt. 0.9	70% Max.	10% Min.	110%
	12	75	160				
	24	37.5	640				
	48	18.8	2,560				

■ PART NUMBER SYSTEM

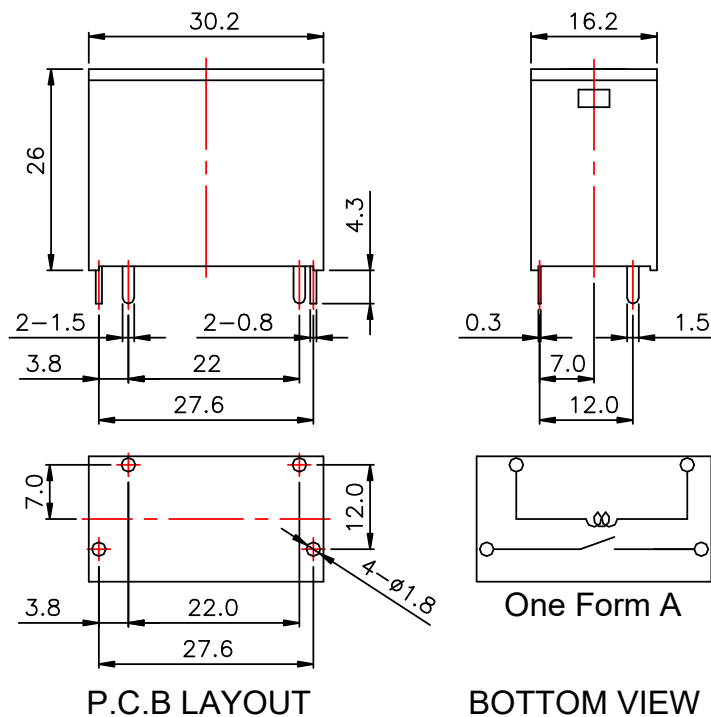


* Marking without: "ETR" & "Z".



■ **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 GI-S-P



ETR GI-S-F

