



**Rely on ECE's Relays,
and You Always Relax!**

TELECOMMUNICATION RELAY ETR ST SERIES

■ FEATURES

- Miniature size with lightweight.
- Low power consumption with various types of coil sensitivity for design flexibility.
- Plastic sealed type available for washing protective.
- Wide operation coil voltage range.
- Comply with RoHS and REACH regulations.

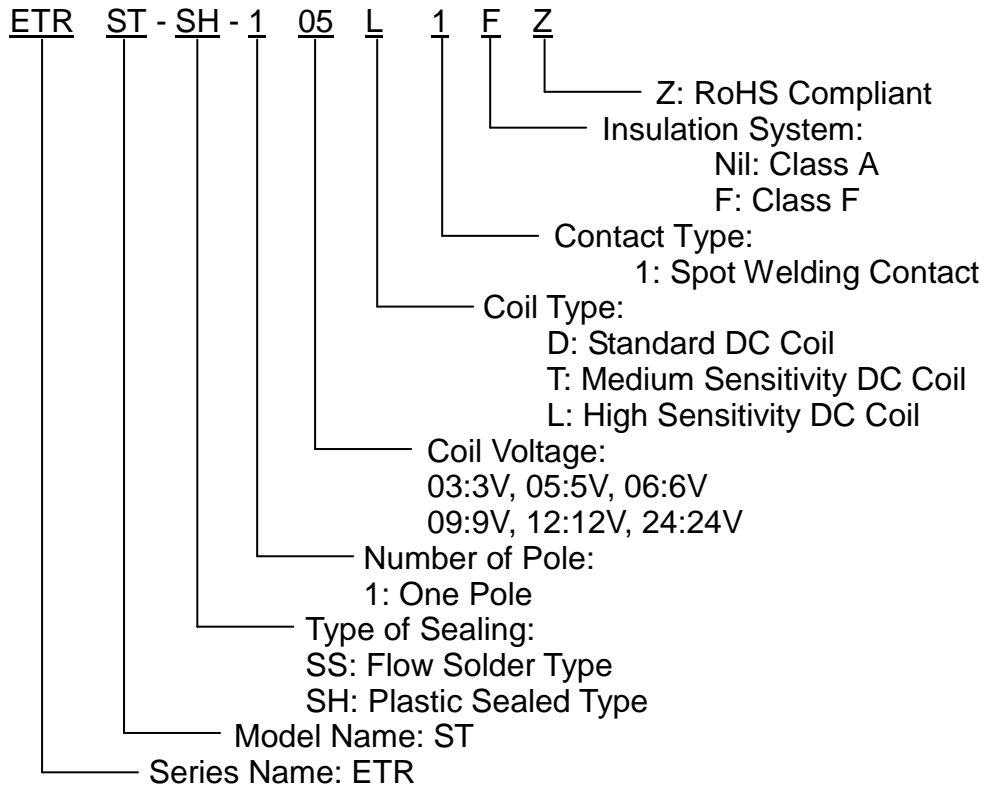
■ SPECIFICATIONS

Contact Resistance	Max. 100mΩ at initial value. @100mA,6VDC
Contact Capacity	2 Amps at 120VAC Cosφ=1 2 Amps at 24VDC L/R=0
Operate Time	5m Sec. Max.
Release Time	3m Sec. Max.
Dielectric Strength	Between coil & Contact: 1000VAC at 50/60Hz for one minute Between Contacts: 400VAC 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 (W)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Max. Allowable Voltage (VDC)
ST-D1	3	120	25	Abt. 0.36	75% Max.	5% Min.	130%
	5	71.4	70				
	6	60	100				
	9	40	225				
	12	30	400				
	24	15	1,600				
ST-T1	3	67	45	Abt. 0.20	75% Max.	5% Min.	130%
	5	40	125				
	6	33.3	180				
	9	22.5	400				
	12	16.7	720				
	24	8.3	2,880				
ST-L1	3	50.0	60	Abt. 0.15	80% Max.	5% Max.	130%
	5	29.9	167				
	6	25.0	240				
	9	16.7	540				
	12	12.5	960				
	24	6.3	3,800				

■ 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: $+0.1\text{mm}$)

