



AUTOMOTIVE RELAY

ETR AR SERIES

■ FEATURES

- Switching capacity 10A in small size for exclusive automobile control relay switching box use.
- Standard and European Specification available to comply with various requirements.
- Various selections on types of sealing.
- Ambient temperature range covers from -40°C to +85°C.
- Comply with RoHS, REACH and ELV regulations.
- Safety standard & File number: UL&C-UL E141060

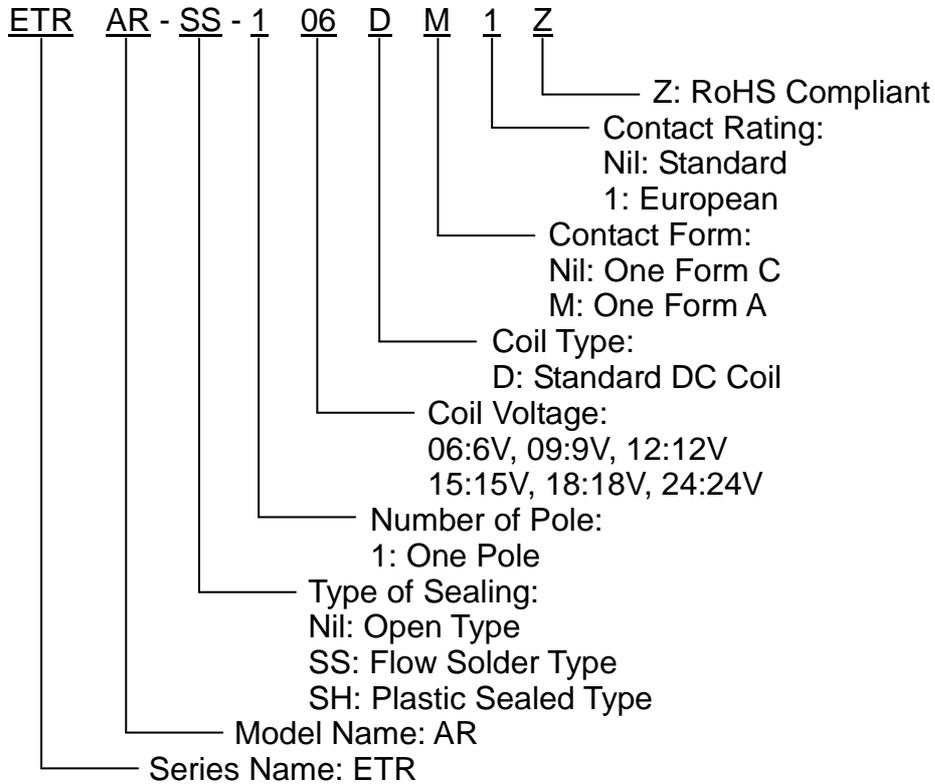
■ SPECIFICATIONS

Contact Resistance	Max. 100mΩ at initial value. @1A,6VDC
Contact Capacity	3 Amps at 120VAC Cosφ=1 10 Amps at 12VDC L/R=0
Operate Time	10m Sec. Max.
Release Time	10m Sec. Max.
Dielectric Strength	Between coil & Contact: 1000VAC at 50/60Hz for one minute Between Contacts: 500VAC 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)
AR (Standard)	6	150	40	Abt. 0.93	80% Max.	5% Min.	150% (for short time carrying current)
	9	93	97				
	12	77	155				
	15	59	255				
	18	47	380				
AR (European)	24	36	660	Abt. 1.1	60% Max.	5% Min.	160% (for short time carrying current)
	6	214	28				
	12	92	130				
	24	46	520				

■ PART NUMBER SYSTEM



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

ETR AR-SH-112D



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

