

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 -40ºC to +85ºC.
- Comply with RoHS, REACH and ELV regulations.

■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℃

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				
	24	36	660				
AR (European)	6	214	28	Abt. 1.1	60% Max.	5% Min.	160% (for short time carrying current)
	12	92	130				
	24	46	520				

■PART NUMBER SYSTEM

ETR AR - SS - 1 06 D M 1 Z

- Z: RoHS Compliant
- Contact Rating:
  Nil: Standard
  1: European
- Contact Form:
  Nil: One Form C
  M: One Form A
- Coil Type:
  D: Standard DC Coil
- Coil Voltage:
  06:6V, 09:9V, 12:12V
  15:15V, 18:18V, 24:24V
- Number of Pole:
  1: One Pole
- Type of Sealing:
  Nil: Open Type
  SS: Flow Solder Type
  SH: Plastic Sealed Type
- Model Name: AR
- Series Name: ETR

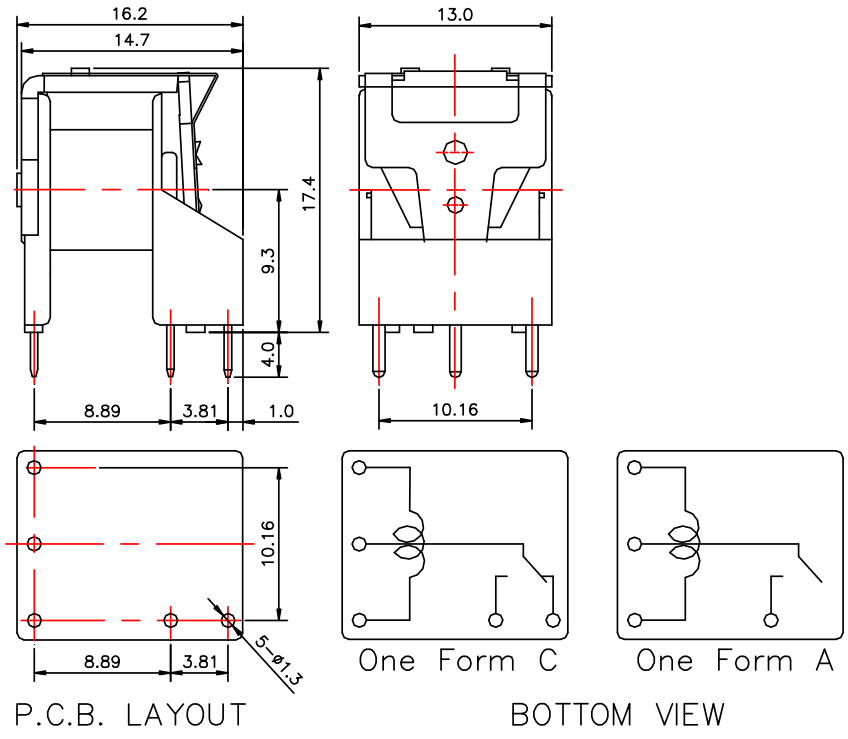
***Marking without: "ETR" & "Z".**

ETR AR-SH-112D



■DIMENSIONS (≦5mm±0.2mm, ＞5mm±0.3mm, the tolerance of PCB thru hole: +0.1mm)

ETR AR (Open Type)



ETR AR-SS/SH

