

Main Feature

1. Single contact and double contacts type offer switching capacity by 15A in small size for exclusive automobile control relay switching box use.
2. Standard and European Specification are available to comply with various electrical specification requirements.
3. Simple magnetic circuit to meet mass production for low cost offer. Standard type is open type without dust cover. If dust cover is required, suitable cased relay can be prepared.
4. Bubble Test conforming to JIS standard will be conducted on the SX type of Relay for checking the Relay sealing.
5. Operating ambient temperature range covers from -30°C to 80°C at no current on Relay's contacts.

Application :

Car Control Switching Box (Alarm System, Automatic Door Locking System....), Car Flashers.... etc.

Contact Rating :

- Nominal Load(Resistive Load $\text{Cos } \varphi = 1$)
Contact Capacity3A at 120VAC.
10A at 12VDC.
Rated Carrying Current10A
Max. Allowable Current10A
Max. Allowable Voltag.....AC 120V, DC 28V.
Max. Allowable Power Force.360 VA, 120 W.
Min. Switching Load.....DC 5V, 10mA.
- Contact MaterialAg Alloy.
- Contact Form.....SPDT & SPST.

Performance (at Initial Value)

- Contact Resistance.....100 m Ω Max.@ 1A,6VDC
- Operate Time.....10 mSec. Max.
- Release Time10 mSec. Max.
- Dielectric Strength :
Between Coil & Contact.....500VAC at 50/60 Hz
for one minute.
Between Contacts1,000VAC at 50/60 Hz
for one minute.
- Surge Resistance2,000V (between coil
& contact 1x40 μ Sec.)
- Insulation Resistance100 Mega Ω Min. at
500VDC.
- Max. On/Off Switching :
Electrical.....30 Ops per Minute.
Mechanical.....300 Ops per Minute.

- Temperature Range -25~80 $^{\circ}\text{C}$
- Humidity Range..... 45~85% RH.
- Coil Temperature Rise..... 60 $^{\circ}\text{C}$ Max.
- Vibration :
Endurance 10 to 55 Hz dual
amplitude width 1.5mm.
Error Operation 10 to 55 Hz dual
amplitude width 1.5mm.
- Shock :
Endurance 100 G Min.
Error Operation 10 G Min.
- Life Expectancy :
Mechanical 10⁷ Operations at No
load condition.
Electrical 10⁵ Operations at Rated
Resistive Load.
- Weight..... about 9.5 g.

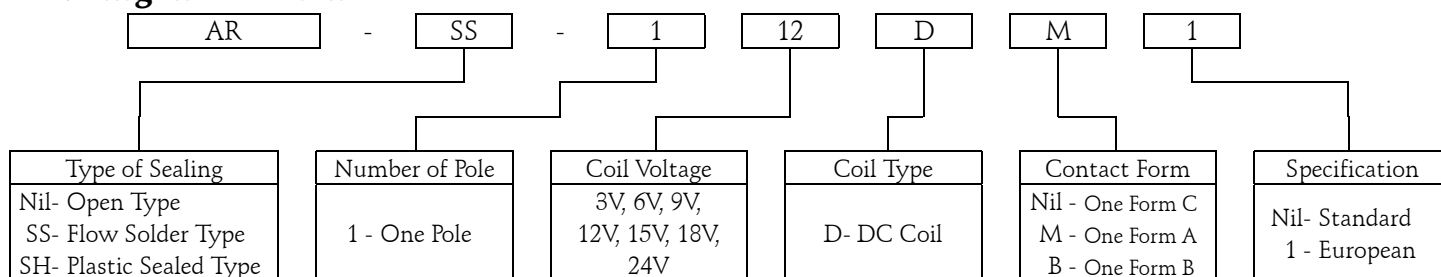
Safety Standard & Its File Number :

- UL..... E141060.

Coil Specification (at 20 °C):

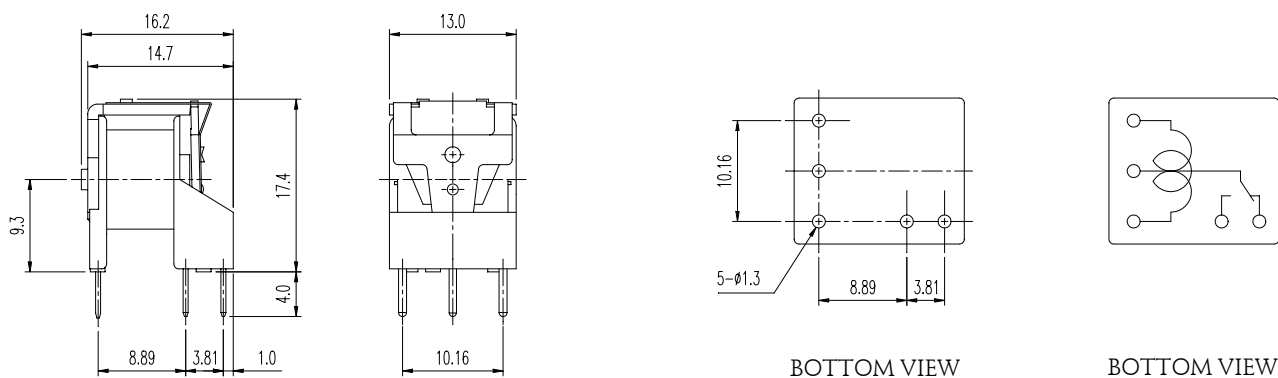
Coil Sensitivity	Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance ($\Omega \pm 10\%$)	Power Consumption (W)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Maximum Allowable Voltage (VDC)
AR (Standard)	5	185	27	Abt. 0.93	80% Maximum	5% Minimum	150% (for short time carrying current)
	6	150	40				
	9	93	97				
	12	77	155				
	15	59	255				
	18	47	380				
AR (European)	06	214	28	Abt. 1.1	60% Maximum	5% Minimum	160% (for short time carrying current)
	12	92	130				
	24	46	520				

Ordering Information:



Dimension:

AR



AR-SS/SH

