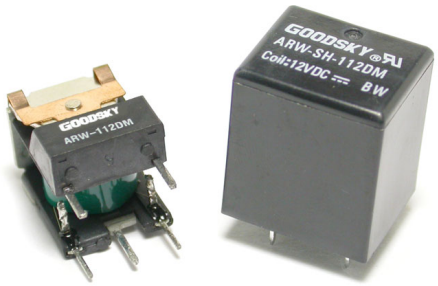


Main Feature

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 Cos φ =1)
  Contact Capacity .5A at 120VAC.
  15A at 12VDC.
  Rated Carrying Current 15A
  Max. Allowable Current 15A
  Max. Allowable Voltage .....AC 120V, DC 28V.
  Max. Allowable Power Force…..600 VA, 120 W.
  Min. Switching Load .....DC 5V, 10mA.
- Contact Material .....Ag Alloy.
- Contact Form.....SPDT & SPST.

Performance (at Initial Value)

- Contact Resistance .....100 m Ω Max.@ 1A,6VDC
- Operate Time.....10 mSec. Max.
- Release Time .....10 mSec. Max.
- Dielectric Strength :
  Between Coil & Contact.....500VAC at 50/60 Hz for one minute.
  Between Contacts .....1,000VAC at 50/60 Hz for one minute.
- Surge Resistance .....2,000V (between coil & contact 1.2x50μSec.)
- Insulation Resistance.....100 MegaΩ Min. at 500VDC.
- Max. On/Off Switching :
  Electrical.....30 Ops per Minute.
  Mechanical.....300 Ops per Minute.
- Temperature Range..... -25～80°C
- Humidity Range..... 45～85% RH.
- Coil Temperature Rise ..... 60°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 ..... 1,000 m/S^2 Min.
  Error Operation..... 100 m/S^2 Min.
- Life Expectancy :
  Mechanical ..... 10^7 Operations at No load condition.
  Electrical ..... 10^5 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 (Ω±10%)	Power Consumption (W)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Maximum Allowable Voltage (VDC)
ARW (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				
	24	36	660				
ARW (European)	6	214	28	Abt. 1.1	60% Maximum	5% Minimum	160% (for short time carrying current)
	12	92	130				
	24	46	520				

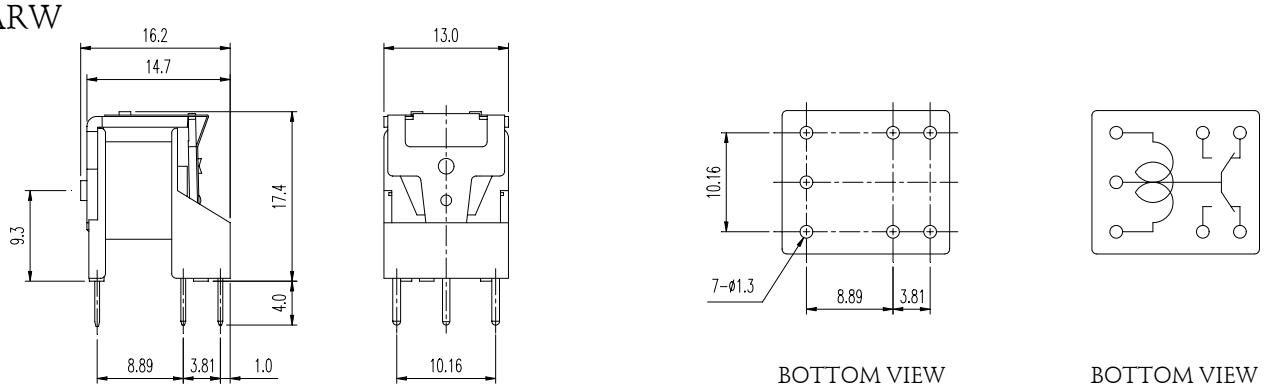
Ordering Information:

ARW - SS - 1 12 D M 1

Type of Sealing	Number of Pole	Coil Voltage	Coil Type	Contact Form	Specification
Nil- Open Type SS- Flow Solder Type SH- Plastic Sealed Type SX- Bubble Tested Type	1 - One Pole	3V, 6V, 9V, 12V, 15V, 18V, 24V	D- DC Coil	Nil - One Form C M - One Form A B - One Form B	Nil- Standard 1 - European

Dimension:

ARW



ARW-SS/SH