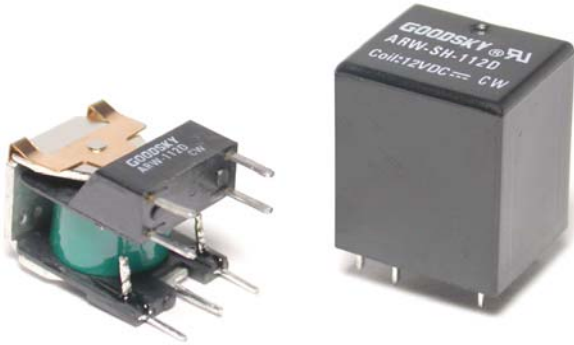


Main Feature



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 -25°C to 80°C at no current on Relay's contacts.



Contact Rating

Load Type	ARW (DM)	ARW (DB)	ARW (D)
Rated Load (Resistive)	5A 120VAC	5A 120VAC	5A 120VAC
	15A 12VDC	15A 12VDC	15A 12VDC
Rated Carrying Current	15A	15A	15A
Max. Allowable Voltage	AC 120V	AC 120V	AC 120V
	DC 28V	DC 28V	DC 28V
Max. Allowable Current	15A	15A	15A
Max. Allowable Power Force	600VA	600VA	600VA
	180W	180W	180W
Contact Material	Ag Alloy	Ag Alloy	Ag Alloy
Contact Form	SPST	SPST	SPDT

Application

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

Performance (at Initial Value)

- Contact Resistance 100 mΩ Max. @1A, 6VDC
- Operate Time..... 10 mSec. Max.
- Release Time 10 mSec. Max.
- Dielectric Strength:
 - Between Coil & Contact 1,000VAC at 50/60 Hz for one minute.
 - Between Contacts 500VAC at 50/60 Hz for one minute.
- Surge Strength 2,000V (between coil & contact 1.2x50μSec.)
- Insulation Resistance 100 MegaΩ Min. at 500VDC.
- Max. On/Off Switching :
 - Electrical..... 20 Cycles per Minute.
 - Mechanical 300Cycles 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/S².
 - Error Operation 100 m/S².
- Life Expectancy :
 - Mechanical 10⁷ Operations at No load condition.
 - Electrical 10⁵ Operations at Rated Resistive Load.
- Weight..... About 10 g.

Safety Standard & Its File Number

- UL & C-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)
ARW (Standard)	6	150	40	Abt. 0.93	80% Maximum	5% Minimum	150% (for short time carrying current)
	9	93	97				
	12	77	155				
	15	59	255				
	18	47	380				
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

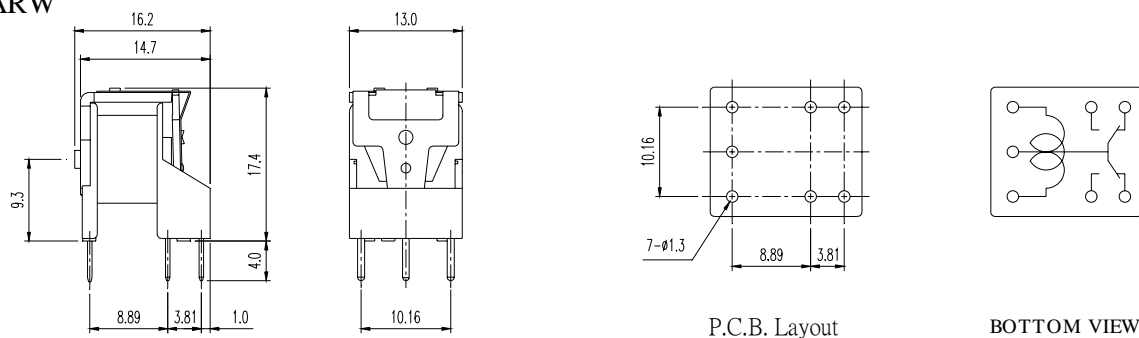
Specification: Nil: Standard
 1: European
Contact Form: Nil: One Form C
 M: One Form A
 B: One Form B
Coil Type: D: DC Coil
Coil Voltage: 06: 6V, 09: 9V, 12: 12V, 15: 15V, 18: 18V, 24: 24V
Number of Pole: 1: One Pole
Type of Sealing: Nil: RT 0 Unclosed Relays
 SS: RT II Flux Proofed Relays
 SH: RT III Wash Tight Relays
Type: ARW

Classification

Model	ARW					
	Standard			European		
Coil Sensitivity						
Contact Form	1C	1A	1B	1C	1A	1B
Open Type	ARW-1□□D	ARW-1□□DM	ARW-1□□DB	ARW-1□□D1	ARW-1□□DM1	ARW-1□□DB1
Flow Solder Type	ARW-SS-1□□D	ARW-SS-1□□DM	ARW-SS-1□□DB	ARW-SS-1□□D1	ARW-SS-1□□DM1	ARW-SS-1□□DB1
Plastic Sealed Type	ARW-SH-1□□D	ARW-SH-1□□DM	ARW-SH-1□□DB	ARW-SH-1□□D1	ARW-SH-1□□DM1	ARW-SH-1□□DB1

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

ARW



ARW-SS/SH

