

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 $\cos \phi = 1$)
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 1.2x50 μ Sec.)
- Insulation Resistance 100 Mega Ω 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/S² Min.
Error Operation 100 m/S² Min.
- Life Expectancy :
Mechanical 10⁷ Operations at No
load condition.
Electrical 10⁵ Operations at Rated
Resistive Load.
- Weight about 9.5 g.

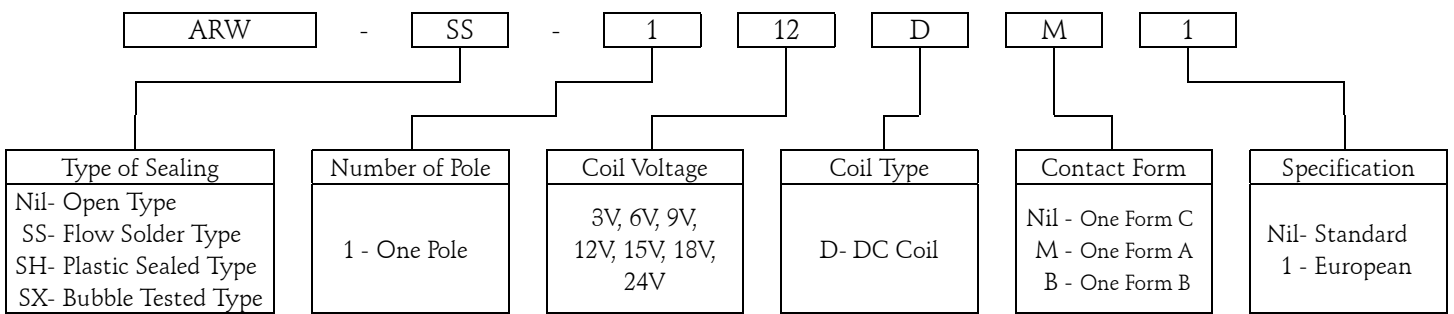
Safety Standard & Its File Number :

- UL E141060.

Coil Specification (at 20 °C):

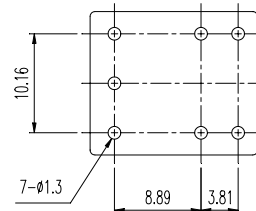
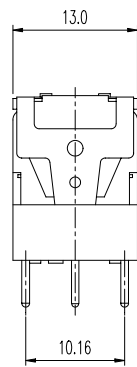
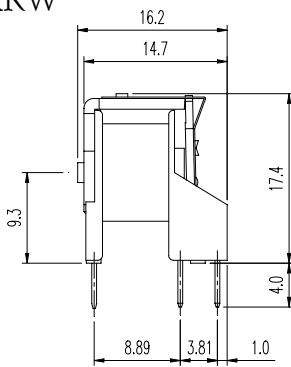
Coil Sensitivity	Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance ($\Omega \pm 10\%$)	Power Consumption (W)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Maximum Allowable Voltage (VDC)
ARW (Standard)	5	185	27	Abt. 0.93	80% Maximum	5% Minimum	150% (for short time carrying current)
	6	150	40				
	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:

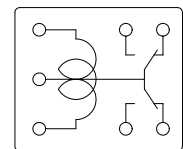


Dimension:

ARW

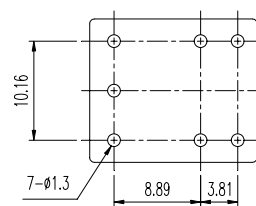
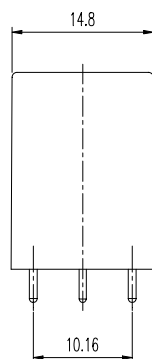
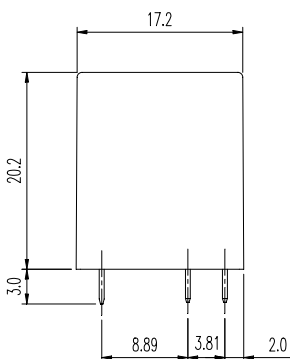


BOTTOM VIEW

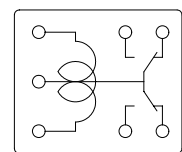


BOTTOM VIEW

ARW-SS/SH



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