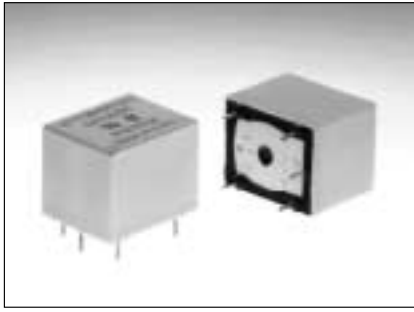


Industrial Control Relays



SR11 Sub-Miniature Power Relay

Applications:

- Industrial Control
- Automation Equipment
- Household Electronics

Features:

- Small Footprint, PCB Mount
- Sub-Miniature, Light Weight
- Low Coil Power
- Epoxy Base Dust Cover or Washable Enclosures
- UL / cUL E148480
- Power Switching to 20A
- 180°C Coil Wire Used for Class F

Contact Characteristics

Arrangements	1A, 1B or 1C
Material	Silver Cadmium Oxide or Silver Tin Oxide
Ratings (contact Stetron for available horsepower ratings)	5 or 12A @ 125V _{AC} / 28V _{DC} 10A @ 250V _{AC} / 28V _{DC} 20A @ 125V _{AC} / 16V _{DC}
Max. Switching Power	336W or 2500VA
Max. Switching Voltage	110V _{DC} or 380V _{AC}
Max. Switching Current	20A
Initial Resistance	≤100 mΩ

General Characteristics

Life	
Mechanical	10,000,000 ops
Electrical	100,000 ops
Insulation Resistance	250MΩ@500V _{DC} (Minimum)
Dielectric Strength	
Contact-Contact	750V _{AC}
Contact-Coil	1500V _{AC}
Shock Resistance	
Functional	100m/s ² (11ms)
Vibration Resistance	
Functional	1.5mm (2x Ampl. @10-55Hz)
Terminal Strength	5N
Operating Temperature	-55 to +85°C
Operating Humidity	≤93%RH @ 40°C
Weight	9.5g
Operate Time	≤10ms
Release Time	≤5ms

Coil Characteristics Measured @ 25°C

Coil Voltage [V _{DC}]		Coil Resistance [Ω ±10%]	Pull-In [V _{DC} max]	Drop-Out [V _{DC} min]
Rated	Maximum			
3.0	3.9	25	2.25	0.3
5.0	6.5	70	3.75	0.5
6.0	7.8	100	4.50	0.6
9.0	11.7	225	6.75	0.9
12.0	15.6	400	9.00	1.2
24.0	31.2	1600	18.0	2.4
48.0	62.4	6400	36.0	4.8



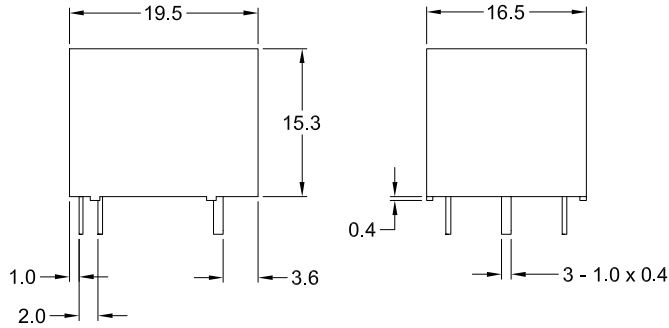
Stetron - USA
☎: 716-854-3443
Fax: 716-854-3448

Web site: www.stetron.com
✉: relays@stetron.com

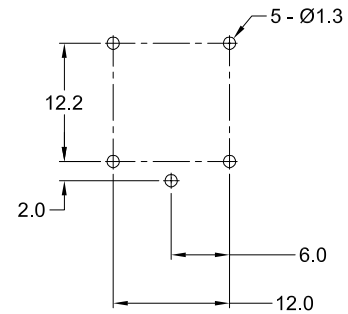
Stetron - Canada
☎: 905-475-6202
Fax: 905-475-1926

Mechanical Data

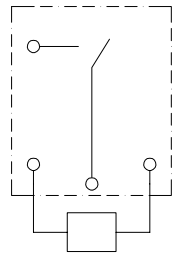
Dimensions
(all dimensions shown in millimeters)



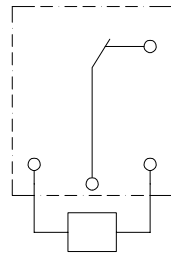
PCB Layout
(bottom view)



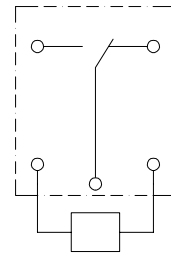
Schematic
(bottom view)



1 FORM A



1 FORM B

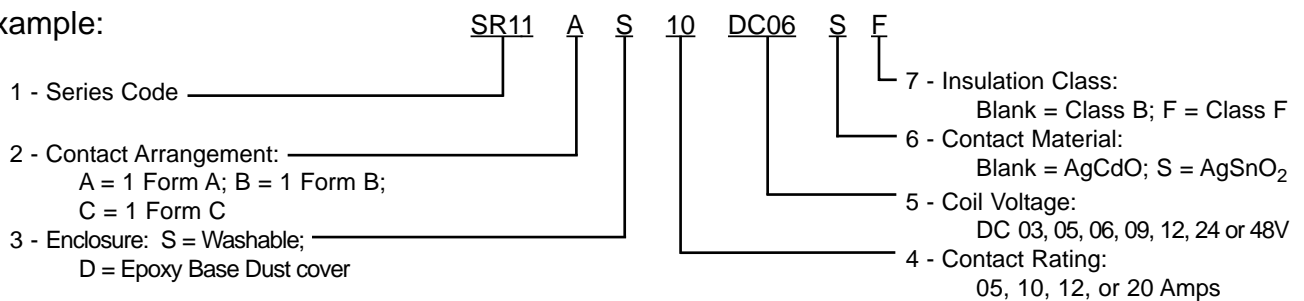


1 FORM C

Tolerance +/- 0.1

PART NUMBER CODE

Example:



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