

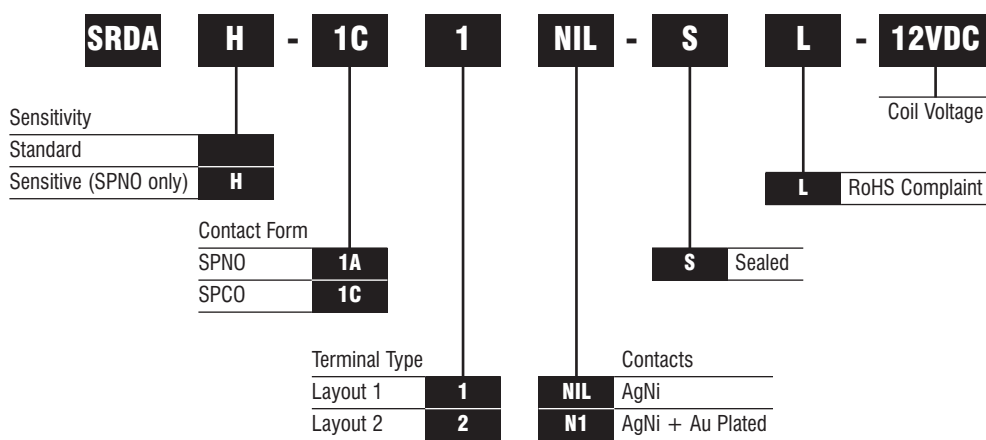
Subminiature Intermediate Power Relay SRDA



- 5A switching capabilities
- SPNO & SPCO configuration
- Creepage/clearance distance: > 8mm
- 5KV dielectric between coil to contacts
- 1 Form A meets VDE 0700, 0631
1 Form C meets VDE 0631



Options and ordering codes



Contact Data

Contact Arrangement	1A, 1C	
Initial Contact Resistance Max.	70mΩ (at 1A/24VDC)	
Contact Material	AgNi, AgNi + Au Plated	
Contact Rating (Res. Load)	1A Standard/Sensitive	1C Standard
	5A/250VAC 5A/30VDC	3A/250VAC 3A/30VDC
Max. switching voltage	250VAC/30VDC	
Max. switching current	5A	
Max. switching power	1250VA/150W	
Mechanical life	1x10 ⁹ OPS	
Electrical life	1x10 ⁹ OPS	

Coil Data: Standard Type

Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Max. allowable Voltage VDC (at 20 °C)	Coil Resistance Ω
3	2.25	0.15	3.9	20±10%
5	3.75	0.25	6.5	55±10%
6	4.50	0.30	7.8	80±10%
9	6.75	0.45	11.7	180±10%
12	9.00	0.60	15.6	320±10%
18	13.5	0.90	23.4	720±10%
24	18.0	1.20	31.2	1280±10%
48	36.0	2.40	62.4	5120±10%

Characteristics

Initial Insulation resistance	1000MΩ @ 500VDC	
Dielectric Strength	Between coil & contact	5000VAC 1min.
	Between open contacts	1000VAC 1min.
Operate time (at nomi. Volt)	Max. 8ms	
Release time (at nomi. Volt)	Max. 4ms	
Humidity	35% to 95%	
Ambient temperature	-40 °C to 85 °C	
Shock resistance	Functional	100m/s ²
	Destructive	1000m/s ²
Vibration resistance	1.65mm, 10 to 55Hz	
Termination	PCB	
Unit Weight	Approx. 4.6g	
Construction	Sealed	

Coil Data: Sensitive Type (SPNO only)

Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Max. allowable Voltage VDC (at 20 °C)	Coil Resistance Ω
3	2.25	0.15	5.1	45±10%
5	3.75	0.25	8.5	125±10%
6	4.50	0.30	10.2	180±10%
9	6.75	0.45	15.3	400±10%
12	9.00	0.60	20.4	720±10%
18	13.5	0.90	30.6	1600±10%
24	18.0	1.20	40.8	2800±10%

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Coil

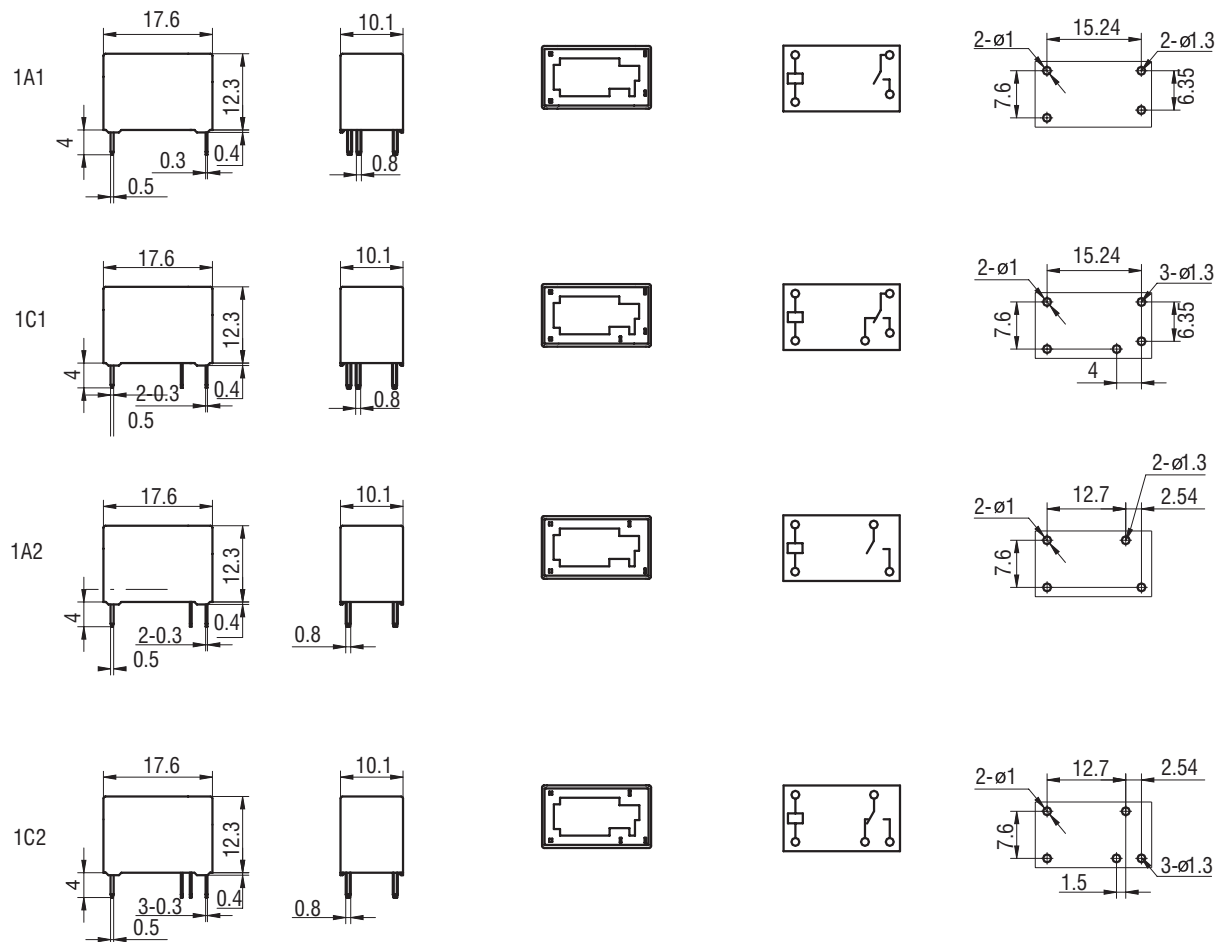
Coil power	Standard: 0.45W, Sensitive: 0.2W
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Safety Approval Ratings

UL	1 Form A	5A/250VAC @ 85°C 1/8HP, 125VAC/250VAC 3A/250VAC cos phi=0.4 C300
	1 Form C	3A/250VAC 3A/30VDC
VDE		5A/250VAC @ 85°C 5A/30VDC @ 85°C

Outline dimensions (mm)

Wiring diagram and PC Board layout



Characteristic Curve

