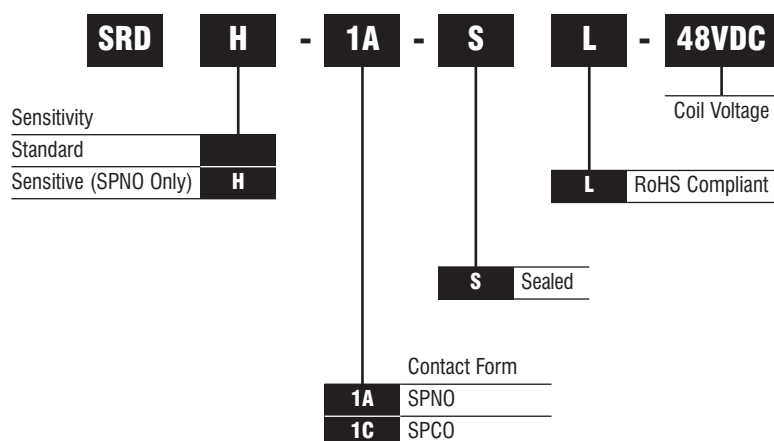


Subminiature Intermediate Power Relay SRD



- 5A, 10A switching capabilities
- SPNO & SPCO configuration
- Subminiature, standard PCB layout
- Sealed Construction

Options and ordering codes



Contact Data

Contact Arrangement	1A, 1C		
Initial Contact Res Max	100mΩ (at 1A 24VDC)		
Contact Material	AgNi		
	1A		1C
Contact Rating (Res.Load)	Standard 5A 250VAC 5A 30VDC 10A 125VAC	Sensitive 3A 250VAC 3A 30VDC	3A 250VAC 3A 30VDC
Max. switching voltage	250VAC/30VDC		
Max. switching current	10A		
Max. switching power	1250VAC/150W		
Mechanical life	1x10 ⁷ OPS		
Electrical life	1x10 ⁵ OPS		

Coil

Coil power	Standard: 0.45W Sensitive: 0.2W
------------	---------------------------------

Characteristics

Initial Insulation Resistance		100MΩ @ 500VDC
Dielectric Strength	Between coil & contact	2500VAC 1min.
	Between open contacts	1000VAC 1min.
Operate time (at nomi. Volt)		Max. 8ms
Release time (at nomi. Volt)		Max. 5ms
Ambient temperature	Standard	-40°C to +70°C
	High Capacity	-40°C to +60°C
Humidity		35% to 95% RH
Shock resistance	Functional	100m/s ²
	Destructive	1000m/s ²
Vibration resistance		1.5mm 10 to 55Hz
Termination		PCB
Unit Weight		Approx. 6g
Construction		Sealed IP67

Coil Data: Standard Type

Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Max. allowable Voltage (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%

Subminiature Intermediate Power Relay SRD



Coil Data: Sensitive Type (SPNO only)

Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Max. allowable Voltage (at 20 °C)	Coil Resistance Ω
3	2.25	0.15	4.5	45 $\pm$ 10%
5	3.75	0.25	7.5	125 $\pm$ 10%
6	4.50	0.30	9.0	180 $\pm$ 10%
9	6.75	0.45	13.5	400 $\pm$ 10%
12	9.00	0.60	18.0	720 $\pm$ 10%
18	13.5	0.90	27.0	1600 $\pm$ 10%
24	18.0	1.20	36.0	2800 $\pm$ 10%

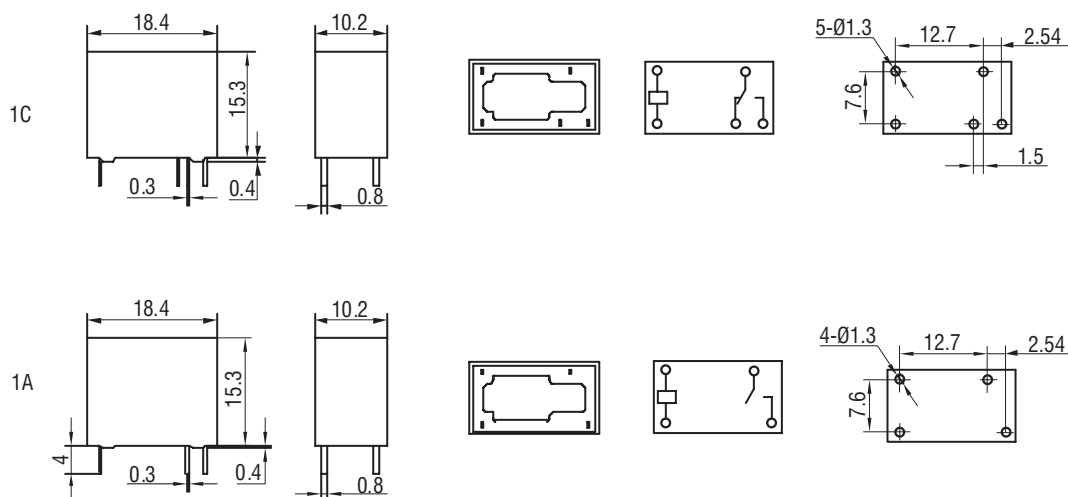
Safety Approval Ratings

UL	1 Form A	5A 250VAC/30VDC@70°C 10A 125VAC@70°C 1/10hp, 125VAC@70°C 1/6hp, 250VAC@70°C 10LRA/1.5FLA, 120VAC@70°C
		H Type: 3A 250VAC/30VDC@70°C 5A 125VAC@70°C
VDE	1 Form C	3A 250VAC/30VDC@70°C
	1 Form A	5A 250VAC/30VDC@70°C
		H Type: 3A 250VAC/30VDC@70°C
	1 Form C	3A 250VAC/30VDC@70°C

Note: 48VDC Coil Type is not UL or VDE approved

Outline dimensions (mm)

Wiring diagram and PC Board layout



Characteristic Curve

