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SRRHN/SRP	1C	T	S	L	F	110VDC
SRRHN						Coil Voltage
12A Single Pole						Insulation
8A Double Pole						NIL B Class
SRP						F F Class
16A Single Pole						
Contact Form						
SPNO	1A			L		RoHS Compliant
SPNC	1B					
SPCO	1C		F			Sealing
DPNO	2A		S			Flux-Tight
DPNC	2B					Sealed
DPCO	2C					
SPNO 5mm Pin Spacing	1A1	N	AgNi			
SPNC 5mm Pin Spacing	1B1	N1	AgNi + Au plated			
SPCO 5mm Pin Spacing	1C1	T	AgSnO ₂			

Contact Arrangement	1A, 1B, 1C	2A, 2B, 2C
Initial contact resistance max.	50mΩ (at 1A 6VDC)	
Contact Material	See ordering info	
Contact Rating (Res. Load)	12A/16A 250VAC/24VDC	8A 250VAC/24VDC
Max. switching voltage	440VAC/125VDC	
Max. switching current	12A/16A	8A
Max. switching power	3000VA/4000VA	2000VA
Mechanical Life	1x10 ⁷ OPS	
Electrical Life	1x10 ⁵ OPS	

Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Max. allowable Voltage (at 25 °C)	Coil Resistance Ω
5	3.50	0.5	7.5	62 $\pm$ 10%
6	4.20	0.6	9.0	90 $\pm$ 10%
9	6.30	0.9	13.5	202 $\pm$ 10%
12	8.40	1.2	18	360 $\pm$ 10%
18	12.60	1.8	27	810 $\pm$ 10%
24	16.80	2.4	36	1,440 $\pm$ 10%
48	33.60	4.8	72	5,760 $\pm$ 10%
60	42.00	6.0	90	7,500 $\pm$ 10%
110	77.00	11.0	165	25,200 $\pm$ 10%

Initial Insulation Resistance		1000M Ω @ 500VDC
Dielectric Strength	Between coil & contacts	5,000VAC 1min.
	Between open contacts	1,000VAC 1min.
	Between contact sets	2,500VAC 1min.
Surge voltage between coil and contacts		10KV (1.2x 50 μ s)
Operate time (at nomi. Volt)		Max. 15ms
Release time (at nomi. Volt)		Max. 8ms
Temperature rise (at nomi. Volt)		55 °C
Shock resistance	Functional	100m/s ²
	Destructive	1000m/s ²
Vibration resistance		10 to 150Hz 10g/5g
Humidity		35% to 85%
Ambient temperature		-40 °C to +85 °C
Termination		PCB
Unit Weight		13.5g
Construction		Sealed IP67 and Flux-Tight

Coil power	0.4W
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Miniature High Power Relay SRRHN/SRP



Safety Approval Ratings UL

AgSnO ₂	1 Pole 3.5 and 5mm Pin Pitch (SRRHN)	12A 277VAC
AgNi	1 Pole 3.5 and 5mm Pin Pitch (SRRHN)	12A 277VAC
AgSnO ₂	1 Pole 5mm Pin Pitch (SRP)	16A 277VAC
AgNi	1 Pole 5mm Pin Pitch (SRP)	16A 277VAC
AgSnO ₂ /AgNi	2 Pole (SRRHN)	8A 277VAC

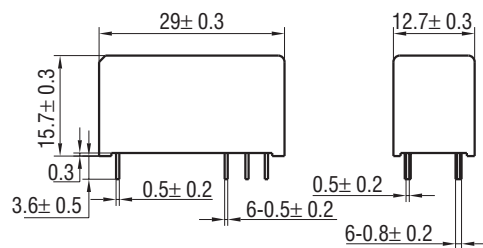
Safety Approval Ratings VDE

AgNi	SRRHN-(2A/2C)N-(,S)	5A 400VAC	at 85°C
		8A 250VAC	at 85°C
	SRP-(1A1,1C1)N-(,S)	9A 250VAC cos phi=0.4	at 70°C
AgSnO ₂	16A 250VAC		at 85°C
	SRRHN-1A N-(,S)	12A 250VAC	at 85°C
		10A 250VAC	at 85°C
AgSnO ₂	SRRHN-(1A/1C)T-(,S)	12A 250VAC	at 85°C
	SRP-(1A1,1C1)T-(,S)	16A 250VAC	at 85°C
		9A 250VAC cos phi=0.4	at 70°C
	SRRHN-(2A,2C)T-(,S)	8A 250VAC	at 85°C

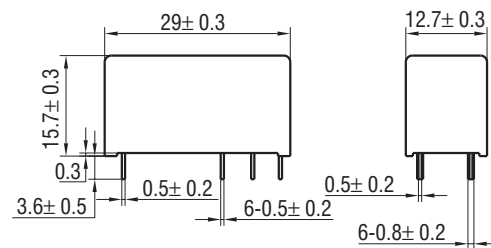
Outline dimensions (mm)

Wiring diagram and PC Board layout

3.5mm Pinning SRRHN-1 x

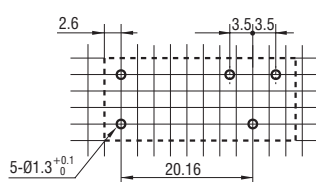


5mm Pinning SRRHN-1x1, SRRHN-2, SRP-1x1

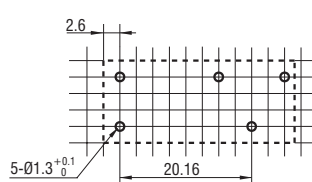


PCB layout (T=2.52±0.02mm)

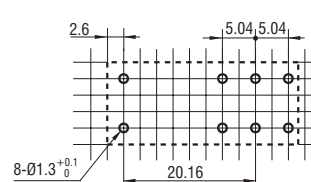
3.5mm 1 Pole 12A



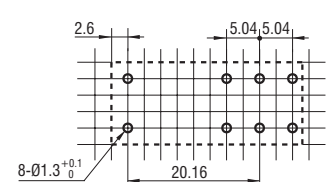
5mm 1 Pole 12A



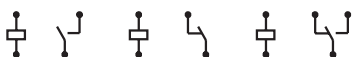
5mm 1 Pole 16A



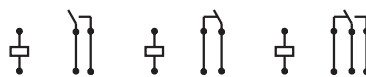
5mm 2 Pole 8A



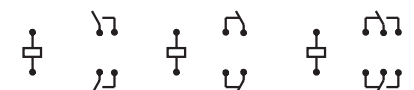
3.5/5mm 1 Pole 12A SRRHN-1 x
SRRHN-1 x 1



5mm 1 Pole 16A SRP-1 x 1

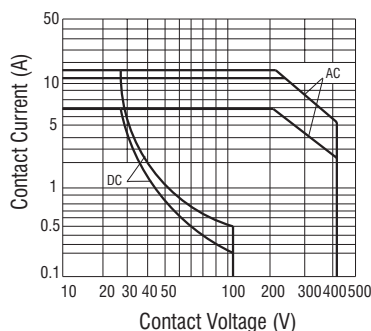


5mm 2 Pole 8A SRRHN-2 x

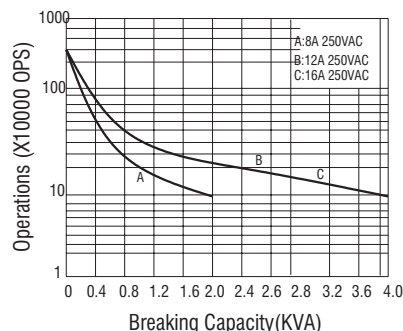


Characteristic Curve

MAXIMUM SWITCHING POWER



LIFE CURVE



COIL OPERATING RANGE(DC)

