

Subminiature Power Relay SRHH



- 1 Form A and 1 Form C configurations
- Standard PCB layout
- Sealed IP67 & unsealed types available

Options and ordering codes

SRHH		-	1C	-	S		L		F	-	48VDC
										Coil Voltage	
Contact form										Insulation	
SPNO										NIL	Class B
SPCO										F	Class F
Sealing											
Sealed										L	RoHS compliant
Flux Tight										F	



Contact Data

Contact Arrangement	1A	1C
Initial Contact Resistance Max.	100mΩ (at 1A 6VDC)	
Contact Material	AgSnO ₂	
Contact Rating	15A 120VAC	10A 120VAC/24VDC
Max. switching voltage	250VAC/30VDC	
Max. switching current	15A	10A
Max. switching power	1800VA/240W	
Mechanical life	1x10 ⁷ OPS	
Electrical life	1x10 ⁵ OPS	

Characteristics

Initial Insulation Resistance		100MΩ @ 500VDC
Dielectric Strength	Between coil & contact	1500VAC 1 min.
	Between open contacts	750VAC 1 min.
Operate time (at nomi. Volt)		Max. 10ms
Release time (at nomi. Volt)		Max. 5ms
Temperature rise (at nomi. Volt)		Max. 60°C
Shock resistance	Functional	98m/s ² (10g)
	Destructive	980m/s ² (100g)
Vibration resistance		1.5mm, 10 to 55Hz
Humidity		35% to 85% RH
Ambient temperature		-40°C to +70°C
Termination		PCB
Unit Weight		Approx. 10g
Construction		Sealed IP67 & Unsealed

Coil

Coil power	360mW, 530mW at 48 VDC
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Coil Data

Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Max. allowable Voltage VDC (at 25°C)	Coil Resistance Ω
5	3.80	0.5	6.5	70±10%
6	4.50	0.6	7.8	100±10%
9	6.80	0.9	11.7	225±10%
12	9.00	1.2	15.6	400±10%
18	13.5	1.8	23.4	900±10%
24	18.0	2.4	31.2	1600±15%
48	36.0	4.8	62.4	4500±15%

Safety Approval Ratings

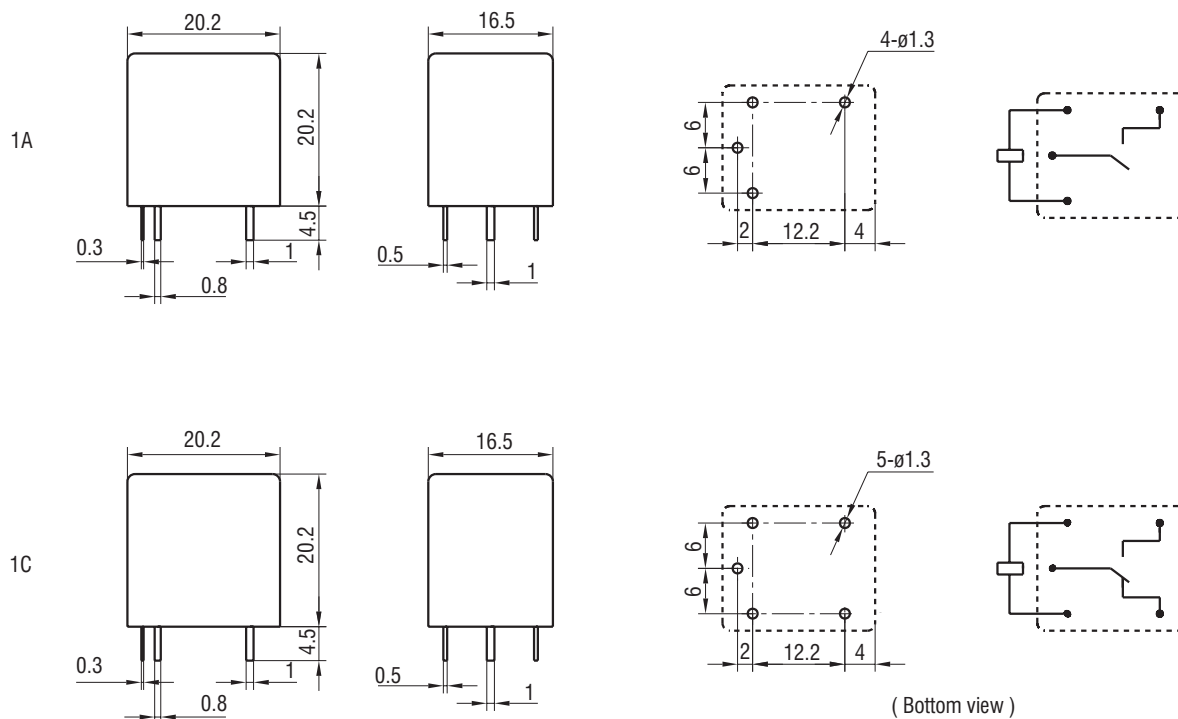
UL	1 Form C	10A 120VAC
	1 Form A	15A 120VAC TV-5, 120VAC
TÜV	12A 125VAC, cos phi=1 5A 250VAC, cos phi=1	

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Outline dimensions (mm)

Wiring diagram and PC Board layout



Characteristic Curve

