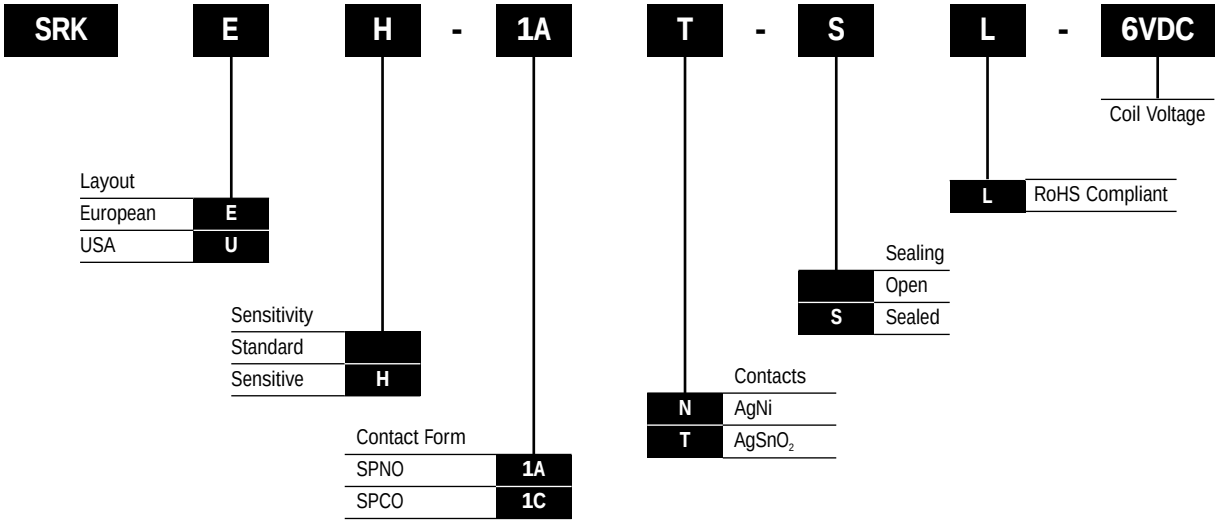
Automotive Relay SRK

- Switching Capacity up to 45A
- SPNO and SPCO Contact Arrangement
- PC Board Terminals
- Two pinning out choices
- Available as open frame or sealed relay

Ordering information



Contact Data

Contact Arrangement	1A, 1C
Max. switching current	60A (Inrush Current: 100A)
Max. switching voltage	75VDC
Contact Rating	1A: 45A 14VDC 1C: 45A (NO)/30A (NC) 14VDC
Max. switching power	630W
Contact Material	AgNi, $AgSnO_2$
Initial Contact Resistance	100mΩ
Mechanical Life	$1x10^7$ OPS
Electrical Life	$1x10^5$ OPS

Note: Inrush current for lamp load

Characteristics

Initial Insulation Resistance	500MΩ 500VDC
Dielectric Strength	500VAC
Operate time (at nomi. Volt)	Max. 5ms
Release time (at nomi. Volt)	Max. 3ms
Destructive	1.27mm, 10 to 40Hz; 40 to 70Hz, $50m/s^2$
	0.5mm, 70 to 100Hz;100 to 500Hz, $100m/s^2$
Shock Resistance	$200 m/s^2$
Storage Temp	-40˚C to +155˚C
Temperature	-40˚C to +125˚C
Unit Weight	20g
Termination	PCB
Construction	Open and Sealed

Automotive Relay SRK continued

Coil

Coil power	1.2W to 1.6W

Coil Data: Standard

Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Max.Allowable Overdrive VDC		Coil Resistance Ω
			23˚C	85˚C	
6	3.3	0.6	9.0	6.5	19
12	6.8	1.2	19.6	14.3	90
24	13.9	2.4	39.3	28.6	362

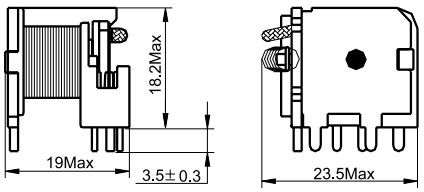
Coil Data: Sensitive

Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Max.Allowable Overdrive VDC		Coil Resistance Ω
			23˚C	85˚C	
6	4.5	0.6	11	8.0	30
12	9.0	1.2	22.1	16.2	120
24	19.2	2.4	44.3	32	480

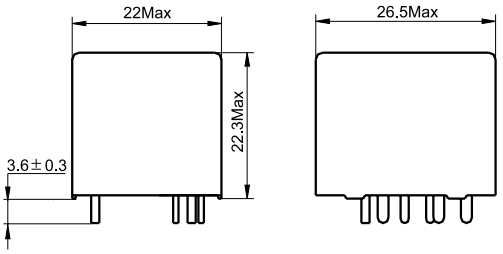
Outline dimensions (mm)

Wiring diagram and PC Board layout

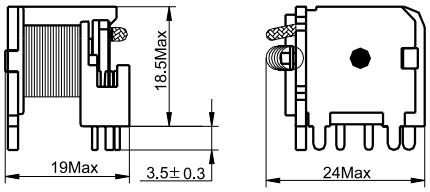
U.S.A. Open Model



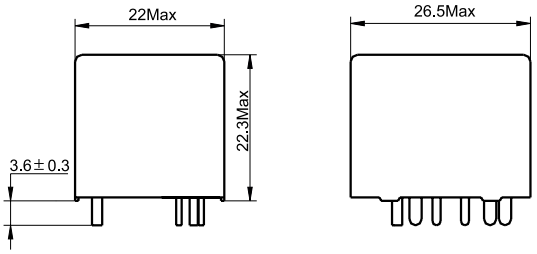
U.S.A. Sealed Model



European Open Model



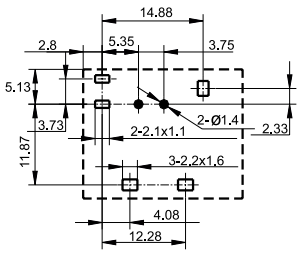
European Sealed Model



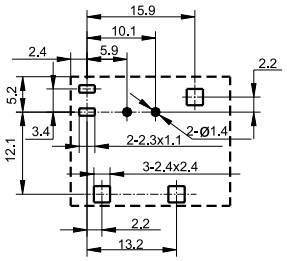
Outline dimensions (mm)

Wiring diagram and PC Board layout continued

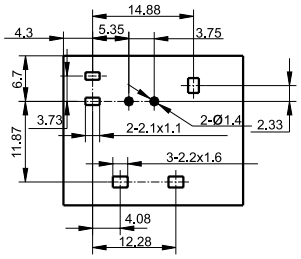
U.S.A. Open Model



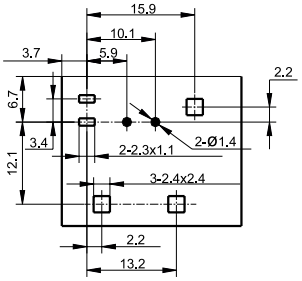
European Open Model



U.S.A. Sealed Model

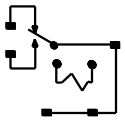


European Sealed Model



Wiring Diagram

SPNO
1 Form A



SPCO
1 Form C

Characteristic Curve