

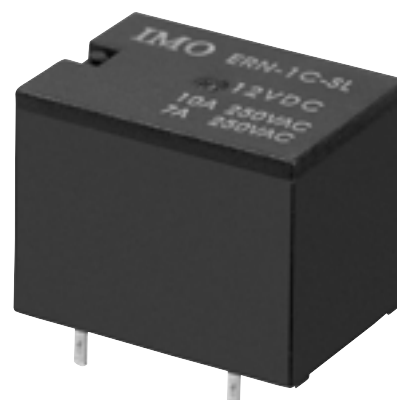
Subminiature High Power Relay SRM



- SPNO & SPCO configuration
- Subminiature, standard PCB layout
- Flux-Tight and Sealed Construction

Options and ordering codes

SRM	-	1C	-	S	-	L	-	24VDC
Contact Form						Coil Voltage		
SPNO		1A						
SPCO		1C				L	RoHS Compliant	
					Sealing			
					F	Flux-Tight		
					S	Sealed		



Contact Data

Contact arrangement	1A	1C
Initial Contact Resistance Max.	100mΩ (1A 6VDC)	
Contact Material	AgSnO ₂	
Contact Rating	10A/277VAC	7A/250VDC 10A/277VAC
Max. switching voltage	277VAC/30VDC	
Max. switching current	15A	10A
Max. switching power	2770VA/210W	
Mechanical life	1x10 ⁷ ops	
Electrical life	1x10 ⁶ ops	

Characteristics

Initial Insulation Resistance		100M Ω 500VDC
Dielectric Strength	Between coil & contact	1500VAC 1min.
	Between open contacts	750VAC 1min.
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
	Destructive	980m/s ²
Vibration resistance		1.5mm 10 to 55Hz
Humidity		35% to 85% RH
Ambient temperature		-40 °C to 85 °C
Termination		PCB
Unit Weight		Approx. 10g
Construction		Sealed & Flux-Tight

Coil

Coil power	0.36W (48VDC/0.51W)
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Coil Data

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

Safety Approval Ratings

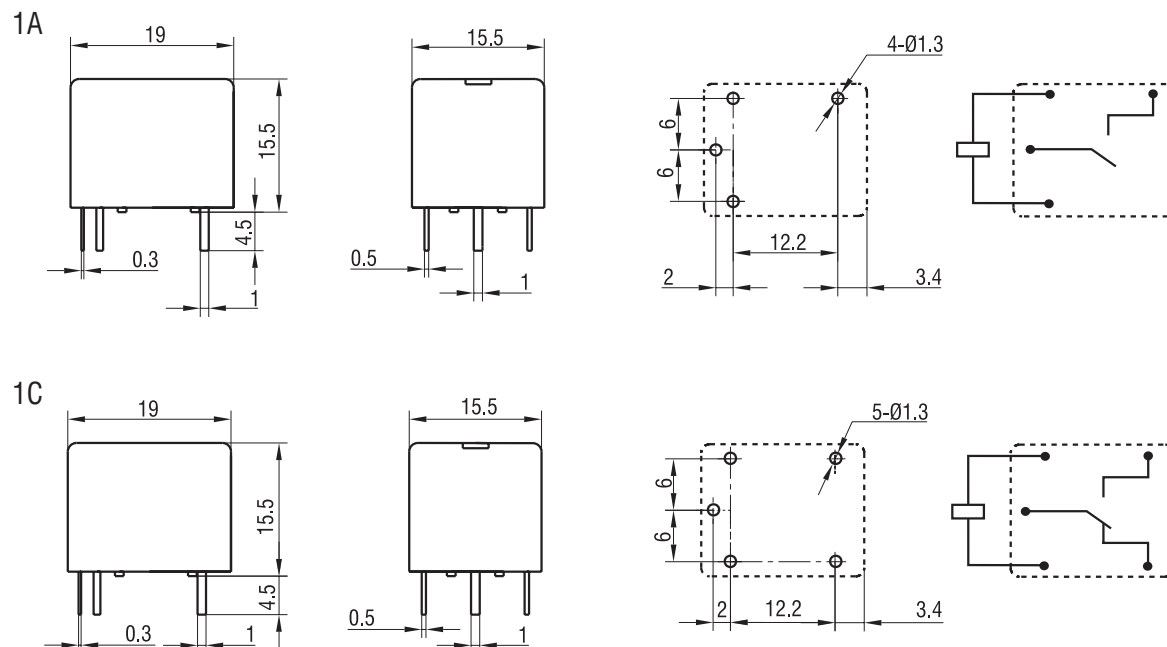
UL	1 Form C	10A 277 VAC 10A 120VAC 1/2 hp, 125/250VAC
	1 Form A	10A 277VAC TV-5 120VAC 15A 125VAC 120VAC 125VAC 1/2 hp, 125VAC
TUV	1 Form C	8A 250VAC 12A 125VAC cos phi=1 5A 250VAC cos phi=1
	1 Form A	10A 277VAC 12A 125VAC cos phi=1 5A 250VAC cos phi=1

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Outline dimensions (mm)

Wiring diagram and PC Board layout



Characteristic Curve

