



Features

- 15 Amp switching capacity.
- 1 Form A and 1 Form C contact arrangements.
- Immersion cleanable, sealed version available.
- Applications include appliance, HVAC, security system, garage opener control, emergency lighting.

Contact Data @ 20°C

Arrangements: 1 Form A (SPST-NO) and 1 Form C (SPDT)

Material: Silver cadmium oxide

Max. Switching Rate: 300 ops./min. (no load) 20 ops./min. (rated load).

Expected Mechanical Life: 10 million operations (no load).

Expected Electrical Life: 100,000 operations (rated load, relay vented).

Minimum Load: 100mA @ 5VDC

Initial Contact Resistance: 100 milliohms @ 1A, 6VDC.

Contact Ratings

Ratings: 15A @ 120VAC resistive,

10A @ 240VAC resistive, 10A @ 28VDC resistive.

Max. Switched Voltage: AC: 240V DC: 28V.

Max. Switched Current: 15A

Max. Switched Power: 2,400VA, 300W.

Note: Sealed relays should be vented after soldering and cleaning in order

to achieve listed ratings.

Initial Dielectric Strength

Between Open Contacts: 750VAC 50/60 Hz. (1 minute). Between Coil and Contacts: 1,500VAC 50/60 Hz. (1 minute). Surge Voltage Between Coil and Contacts: 3,000V (1.2 / 50µs).

Initial Insulation Resistance

Between Mutually Insulated Elements: 100M ohms min. @ 500VDC.

Coil Data

Voltage: 3 to 48VDC.

Nominal Power: 360 mW except 48VDC coil (510mW). Goil Temperature Rise: 60°C max., at rated coil voltage.

lax! Coil Power: 130% of nominal.

Duty Cycle: Continuous. df.dzsc.com

SRUUH series

15 Amp Miniature **Power PC Board Relay**

LES UL File No. E82292

▲ TUV File No. R60271

Users should thoroughly review the technical data before selecting a product part number. It is recommended that user also seek out the pertinent approvals files of the agencies/laboratories and review them to ensure the product meets the requirements for a given application.

Coil Data @ 20°C

SRUUH											
Rated Coil Voltage (VDC)	Nominal Current (mA)	Coil Resistance (ohms) ± 10%	Must Operate Voltage (VDC)	Must Release Voltage (VDC)							
3	120	25	2.25	0.30							
6	60	100	4.50	0.60							
9	40	225	6.75	0.90							
12	30	400	9.00	1.20							
24	15	1,600	18.00	2.40							
48	10	4,500	36.00	4.80							

Operate Data

Must Operate Voltage: 75% of nominal voltage or less. Must Release Voltage: 10% of nominal voltage or more.

Operate Time: 15 ms max. Release Time: 5 ms max.

Environmental Data

Temperature Range:

Operating: -30°C to +60°C

Vibration, Mechanical: 10 to 55 Hz., 1.5mm double amplitude Operational: 10 to 55 Hz., 1.5mm double amplitude.

Shock, Mechanical: 1,000m/s² (100G approximately). Operational: 100m/s² (10G approximately). Operating Humidity: 20 to 85% RH. (Non-condensing).

Mechanical Data

Termination: Printed circuit terminals. Enclosure (94V-0 Flammability Ratings):

SRUUH-SS: Vented (Flux-tight) plastic cover

SRUUH-SH: Sealed plastic case Weight: 0.42 oz (12g) approximately.

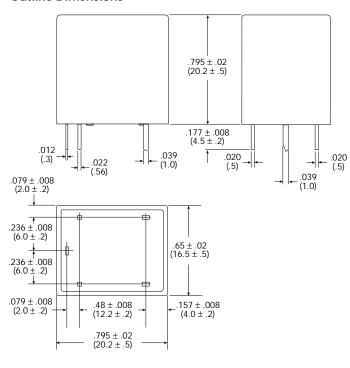
Ordering Information									
	Typical Part Number ▶	SRUUH	-SS	-1	12	D	1	M	,000
1. Basic Series: SRUUH = Miniature Power PC board	relay.	_							
2. Enclosure: SS = Vent (Flux-tight)* plastic cover.	SH = Sealed, plastic	case.	-						
3. Termination: 1 = 1 pole									
4. Coil Voltage: 03 = 3VDC	24 = 24VDC 48 = 48VDC								
5. Coil Input: D = Standard						-			
6. Contact Material: 1 = Silver Cadmium Oxide									
7. Contact Arrangement: Leave Blank = 1 Form C, SPDT	M = 1 Form A, SPST	-NO						_	
8. Option: ,000= Standard model.	Other Suffix = Custom model.								_

^{*} Not suitable for immersion cleaning processes.

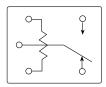
Our authorized distributors are more likely to maintain the following items in stock for immediate delivery.

SRUUH-SH112D1M,000 SRUUH-SH112D1,000 SRUUH-SH124D1M,000 SRUUH-SH124D1,000

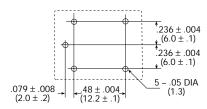
Outline Dimensions



Wiring Diagram (Bottom View)



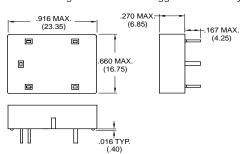
PC Board Layout (Bottom View)



Note: Only necessary terminals are present on 1 Form A (SPST-NO) models.

Socket

27E1064 socket is rated 10A @ 300VAC. UL Recognized for US and Canada. Designed to fit same suggested board layout as relay.



Hold-Down Spring

20C430 spring is designed to secure SRUUH relay in 27E1064 socket.

