

# Datasheet

## SPDT PCB Mount Non-Latching Relay, 20 A, 24V

RS Stock number [476-804](#)

Dimensions: mm



File No.: E134517

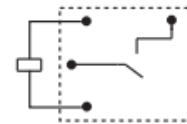
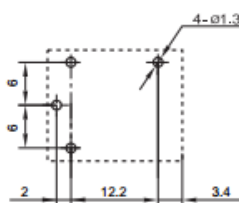
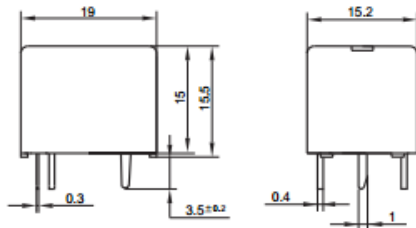


Outline Dimensions

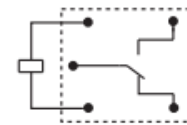
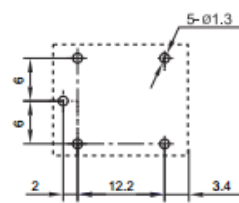
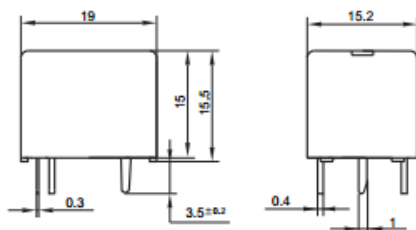
PCB Layout  
(Bottom view)

Wiring Diagram  
(Bottom view)

1 Form A



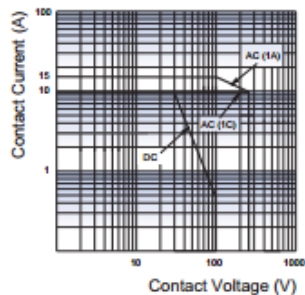
1 Form C



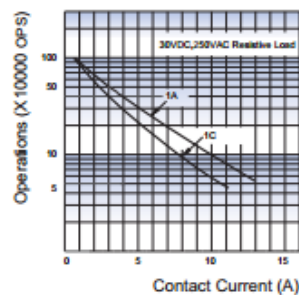
Remark: 1) In case of no tolerance shown in outline dimension: outline dimension  $\leq 1\text{mm}$ , tolerance should be  $\pm 0.2\text{mm}$ ; outline dimension  $> 1\text{mm}$  and  $\leq 5\text{mm}$ , tolerance should be  $\pm 0.3\text{mm}$ ; outline dimension  $> 5\text{mm}$ , tolerance should be  $\pm 0.4\text{mm}$ .  
2) The tolerance without indicating for PCB layout is always  $\pm 0.1\text{mm}$ .

## Characteristic Curves

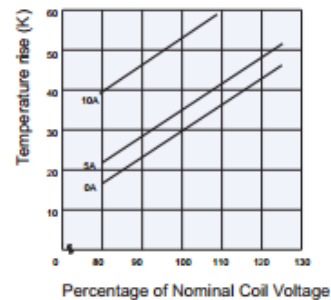
MAXIMUM SWITCHING POWER



ENDURANCE CURVE



COIL TEMPERATURE RISE



## Features

Extremely low cost

2.5 dielectric strength (between coil and contacts)

Flammability class according to UL94, V-O

CTI 250, VDE 0631 / 0700

1 from A and 1 From configurations

Subminiature, standard PBC layout

Product in accordance to IEC 60335-1

Environmental friendly product (RoHS compliant)

Outline dimensions: (19.0 x15.2 x 15.5) mm





Nominal voltage VDC	Pick-Up voltage VDC	Drop-out voltage VDC	Max. Allowable voltage VDC	Coil Resistance At 23degC
3	2.25	0.3	3.9	25 x (1±10%)
5	3.75	0.5	6.5	70 x (1±10%)
6	4.50	0.6	7.8	100 x (1±10%)
9	6.75	0.9	11.7	225 x (1±10%)
12	9.00	1.2	15.6	400 x (1±10%)
18	13.5	1.8	23.4	900 x (1±10%)
24	18.0	2.4	31.2	1600 x (1±10%)
48	36.0	4.8	62.4	6400 x (1±10%)

**Safety Approval Ratings**

<b>UL &amp; CUL</b>	AgSnO <sub>2</sub>	1A	10A 250VAC at 85°C
		1C	NO/NC: 5A/5A 250VAC at 85°C NO: 10A 250VAC at 85°C NO: 1/2HP 125VAC NO: TV-5 120VAC
	AgNi	1A	10A 250VAC at 85°C 6A 250VAC at 105°C
		1C	NO: 10A 250VAC at 85°C NO: 6A 250VAC at 105°C NC: 6A 250VAC at 85°C NO/NC: 7A/3A 250VAC at 85°C NO: 1/2HP 125VAC
<b>VDE</b>	AgSnO <sub>2</sub>	1A	10A 250VAC at 85°C
		1C	NO/NC: 5A/5A 250VAC at 85°C NO: 10A 250VAC at 85°C
	AgNi	1A	10A 250VAC at 85°C 6A 250VAC at 105°C 5A 400VAC at 105°C
		1C	NO: 10A 250VAC at 85°C NO: 6A 250VAC at 105°C NC: 6A 250VAC at 85°C NO/NC: 7A/3A 250VAC at 85°C 5A 400VAC at 105°C

**Notes:** Only some typical ratings are listed above. If more details are required, please contact us.