# DG31H

## miniature hi-temp pcb power relay





- miniature only 19 x 15.4 x 15mm
- 12A @ 250VAC, 15A @ 125VAC
- 105°C Operating Temperature
- RoHS Compliant
- Domestic appliances, office equipment etc.







#### Contacts

PST-NO (1 Form A); SPDT (1 Form C) gSnO <sub>2</sub> (standard) 8V 50V 00mA / 12VDC 2A / 250VAC, 15A / 125VAC; 5A/ 125VAC TV-5 0A/ 250VAC (NO Contact), 7A/ 250VAC (NC Contact) 5A 000VA / 280W 50mΩ, max. at 1A/6VDC48V (3V not UL) 0.1Un ee coil table 1 60mW		
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50V  00mA / 12VDC  2A / 250VAC, 15A / 125VAC; 5A/ 125VAC TV-5 0A/ 250VAC (NO Contact), 7A/ 250VAC (NC Contact)  5A  000VA / 280W  50mΩ, max. at 1A/6VDC 48V (3V not UL) 0.1Un  ee coil table 1 60mW		
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2A / 250VAC, 15A / 125VAC; 5A/ 125VAC TV-5 0A/ 250VAC (NO Contact), 7A/ 250VAC (NC Contact) 5A 000VA / 280W 50mΩ, max. at 1A/6VDC48V (3V not UL) 0.1Un ee coil table 1 60mW		
5A/ 125VAC TV-5 0A/ 250VAC (NO Contact), 7A/ 250VAC (NC Contact)  5A 000VA / 280W 50mΩ, max. at 1A/6VDC48V (3V not UL) 0.1Un ee coil table 1 60mW		
DA/ 250VAC (NO Contact), 7A/ 250VAC (NC Contact)  5A  000VA / 280W  50mΩ, max. at 1A/6VDC 48V (3V not UL)  0.1Un  ee coil table 1  60mW		
5A  000VA / 280W  50mΩ, max. at 1A/6VDC 48V (3V not UL)  0.1Un  ee coil table 1  60mW  000MΩ at 500VDC, 50%RH		
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48V (3V not UL)  0.1Un  ee coil table 1  60mW  000MΩ at 500VDC, 50%RH		
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000MΩ at 500VDC, 50%RH		
000MΩ at 500VDC, 50%RH		
TI250		
lass F (155°C)		
1500Vrms, 1min (50/60Hz)		
000Vrms, 1min (50/60Hz)		
000V (between coil & contact, 1.2 x 50μs)		
0		
5		
1 x 10 <sup>5</sup> (at rated resistive load - 1,800 ops/hr)		
1 x 10 <sup>7</sup> (no load, 18,000 ops/hr)		
19 x 15.4 x 15mm		
д арргох.		
-40 to 105°C		
0 to 105°C (-40 to 85°C VDE)		
unctional: 10g 11mS; Destructive: 100g		
A 1.5mm 10-55Hz		



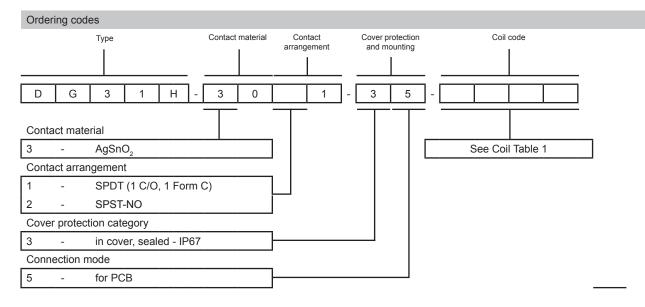
## DG31H

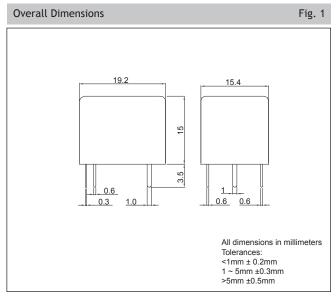
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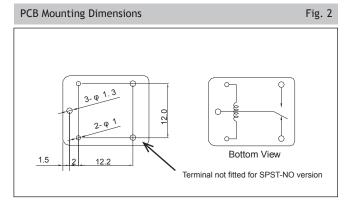


Coil Data (360mW) Table 1

Coil Voltage Code	Nominal Voltage (VDC)	Coil Resistance (Ω) ±10%	Must operate voltage max. (V DC)	Must release voltage min. (V DC)	Max. allowable voltage (V DC)	
1003¹	3	25	2.25	0.30	3.9	
1005	5	70	3.75	0.50	6.5	
1006	6	100	4.50	0.60	7.8	
1009	9	225	6.75	0.90	11.7	
1012	12	400	9.00	1.20	15.6	
1024	24	1600	18.00	2.40	31.2	
1048	48	6400	36.00	4.80	62.4	
<sup>1</sup> 3VDC Coil not UL approved						







#### Notes:

- 1: All parameters, unless otherwise specified, are measured at ambient temperature of  $23^{\circ}\text{C}.$
- 2: Maximum make current refers to inrush current of motor load.
- 3: Electrical life is strongly dependent of switching frequency, On/Off ratio and environmental conditions.

