

## **NOT FOR NEW DESIGN**

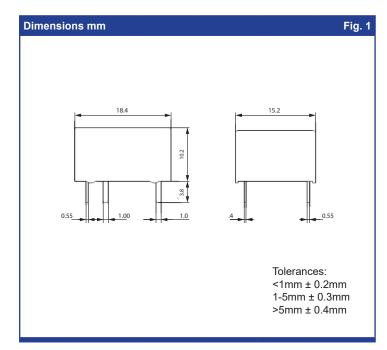


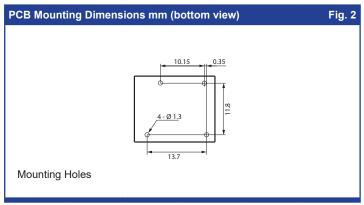
- Miniature only 18.4 x 15.2 x 10.2mm
- 10A @ 250VAC
- · Cost effective

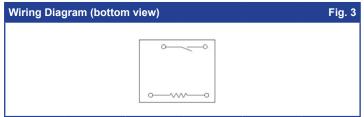
			ROHS Compliant	
Contacts		Ordering Code		
Contact arrangement	SPST-NO (1 Form A)			
Contact material	AgSnO <sub>2</sub>	DG33-3021-35-	1 0 1 2	
Max. switching voltage AC/DC	250VAC, 28VDC			
Min. switching current / voltage	100mA / 12VDC	<u>Series</u>	Coil code:	
Rated load	10A / 250VAC		See table 1	
Max. continuous current	10A	Contact material		
Max. switching current	10A	30: AgSnO <sub>2</sub>		
Max. switching power	2500VA / 280W			
Initial resistance	<50mΩ max. at 0.1A/6VDC	Contact arrangement		
Coil		21: SPST-NO		
Rated voltage DC	348V			
Must release voltage	≥0.1Un	Environmental protection		
Operating range	See table 1	3: In cover, sealed - IP67		
Rated power consumption DC	450mW			
Insulation		Mounting & terminations		
Insulation resistance	1000MΩ at 500VDC, 50%RH	5: For PCB		
Surge resistance coil to contac	10,000V 1.2 x 50 µs			
UL Insulation system	Class F (standard)			
Dielectric strength coil to contac	2800Vrms, 50/60Hz, 1min			
contact to contact	t 1000Vrms, 1min			
General Data				
Operating time typ	10ms			
Release time typ	5ms			
Electrical life (at rated load) ops	1 x 10 <sup>5</sup> (30 ops per min max.)			
Mechanical life (no load) ops	1 x 10 <sup>7</sup> (300 ops per min max.)			
Environmental				
Ambient temperature operating	-40 to +85°C			
storage	-40 to +85°C			
Shock resistance functional	98.1m/s² min			
destructive	981m/s² min			
Vibration resistance	DA 1.5mm 10-55Hz			
Dimensions L x W x H	18.4 x 15.2 x 10.2mm			
Weight approx	7g approx.			



Coil Data (atpprox 450mW) Table 1						
Coil code	Nominal voltage (VDC)	Coil Resistance (Ω) ±10%	Must operate voltage max. (VDC)	Must release voltage min. (VDC)	Max. Aalowable voltage (VDC)	
1003	3	20	2.25	0.30	3.9	
1005	5	55	3.75	0.50	6.5	
1006	6	80	4.50	0.60	7.8	
1009	9	180	6.75	0.90	11.7	
1012	12	320	9.00	1.20	15.6	
1024	24	1280	18.00	2.40	31.2	
1048	48	5120	36.00	4.80	62.4	







## Notes:

- 1: All parameters, unless otherwise specified, are measured at ambient temperature of 23°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.

Specifications are subject to change without notice. E&OE.