

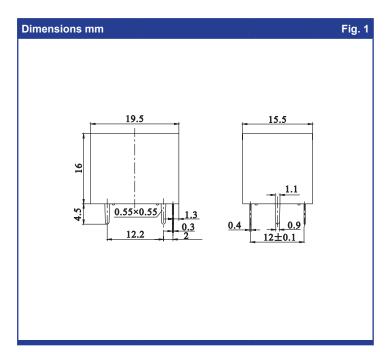


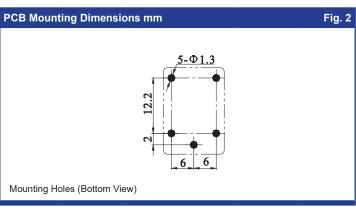
- Miniature only 19.5 x 15.5 x 16mm
- 12A @ 120VAC / 10A @ 250VAC
- Cost effective

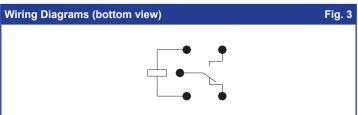
		C ROHS  C SALES US Compliant		
Contacts	Ordering Code			
Contact arrangement	SPST-NO (1 Form A); SPDT (1 Form C)			
Contact material	AgSnO <sub>2</sub> (standard), AgNi0.15	D G 3 1 - 3 0 1 1 - 3 5 - 1 0 1 2		
Max. switching voltage AC/DC	250VAC, 28VDC			
Min. switching current / voltage	100mA / 12VDC	Series Coil code:		
Rated load AgSnO <sub>2</sub>	10A / 250VAC; 12A / 120VAC; 10A / 28VDC	See table 1		
AgNi0.15	5A / 250VAC, 5A / 28VDC	Contact material		
Max. continuous current	12A	30: AgSnO <sub>2</sub>		
Max. switching current	12A	80: AgNi0.15		
Max. switching power	2500VA / 280W			
Initial resistance	<50mΩ at 0.1A/6VDC	Contact arrangement		
Coil		11: SPDT (1C/O, 1 form C)		
Rated voltage DC	348V	21: SPST-NO		
Must release voltage	≥0.1Un			
Operating range	See table 1	Environmental protection		
Rated power consumption DC	360mW	2: In cover , flux tight - IP40		
Insulation		3: In cover, sealed - IP67		
Insulation resistance	100MΩ at 500VDC, 50%RH			
Insulation category (creepage resistance)	CTI250	Mounting & terminations		
UL Insulation system	Class F (standard)	5: For PCB		
Dielectric strength coil to contact	1800Vrms, 1min			
contact to contact	1100Vrms, 1min	* Standard options are in <b>bold</b> .		
General Data				
Operating time typ.	10ms			
Release time typ.	5ms			
Electrical life ops.	1 x 10 <sup>5</sup>			
Mechanical life ops.	1 x 10 <sup>7</sup>			
Environmental				
Ambient temperature operating	-40 to +85°C			
storage	-40 to +85°C			
Shock resistance functional	10g 11ms			
destructive	100g			
Vibration resistance	DA 1.5mm 10-55Hz			
Dimensions L x W x H	19.5 x 15.5 x 16mm			
Weight approx.	10g approx.			

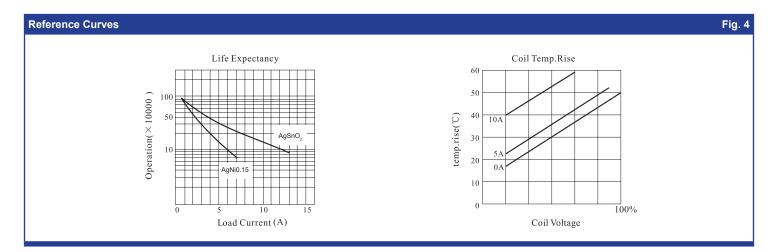


Coil Data Table 1						
Coil code	Nominal voltage (VDC)	Coil resistance Ω ±10%	Must operate voltage max. (VDC)	Must release voltage min. (VDC)	Max. allowable voltage (VDC)	
1003	3	25	2.25	0.15	3.9	
1005	5	69	3.75	0.25	6.5	
1006	6	100	4.50	0.30	7.8	
1009	9	225	6.75	0.45	11.7	
1012	12	400	9.00	0.60	15.6	
1024	24	1600	18.00	1.20	31.2	
1048	48	6400	36.00	2.40	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