

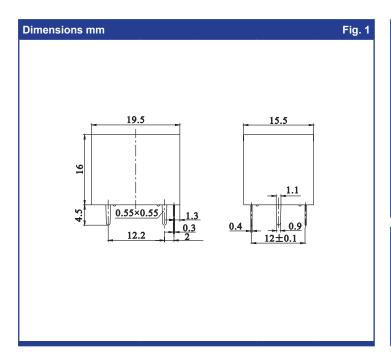


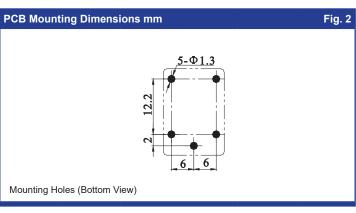
- Miniature only 19.5 x 15.5 x 16mm
- 12A @ 120VAC / 10A @ 250VAC
- Cost effective

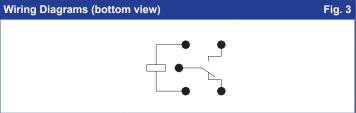
		C F305753 US Complia		
Contacts	Ordering Code			
Contact arrangement	SPST-NO (1 Form A); SPDT (1 Form C)			
Contact material	AgSnOlnO, AgSnO ₂ (standard), AgNi0.15	DG31-3011-35-1012		
Max. switching voltage AC	DC 250VAC, 28VDC			
Min. switching current / voltage	100mA / 12VDC	Series Coil code:		
Rated load AgS	O ₂ 10A / 250VAC; 12A / 120VAC; 10A / 28VDC	See table		
AgNi(.15 5A / 250VAC, 5A / 28VDC	Contact material		
AgSnO	nO 10A / 250VAC; 12A / 120VAC; 10A / 28VDC	30: AgSnO ₂		
Max. continuous current	12A	70: AgSnOlnO		
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 con	act 1800Vrms, 1min			
contact to cor	tact 1100Vrms, 1min	* Standard options are in bold .		
General Data				
Operating time	yp. 10ms			
Release time	yp. 5ms			
Electrical life	ps. 1 x 10 ⁵			
Mechanical life	ps. 1 x 10 ⁷			
Environmental				
Ambient temperature opera	ing -40 to +85°C			
stor	ige -40 to +85°C			
Shock resistance function	nal 10g 11ms			
destruc	ive 100g			
Vibration resistance	DA 1.5mm 10-55Hz			
Dimensions L x W	x H 19.5 x 15.5 x 16mm			
Weight app	ox. 10g approx.			

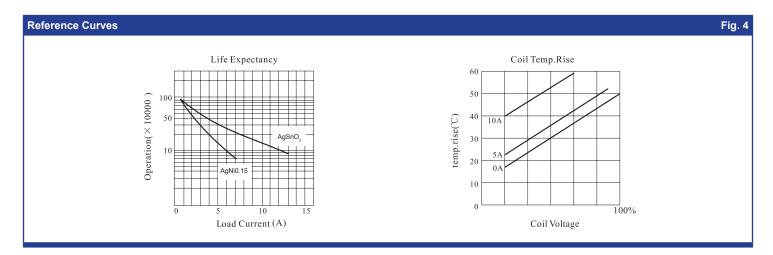


Coil Data Table 1						
Coil code	Nominal voltage (VDC)	Coil resistance Ω ±10%	Must operate voltage max. (VDC)	Must release voltage min. (VDC)	Max. allowable voltage (VDC)	
1003	3.00	25.00	2.25	0.15	3.90	
1005	5.00	69.00	3.75	0.25	6.50	
1006	6.00	100.00	4.50	0.30	7.80	
1009	9.00	225.00	6.75	0.45	11.70	
1012	12.00	400.00	9.00	0.60	15.60	
1024	24.00	1600.00	18.00	1.20	31.20	
1048	48.00	6400.00	36.00	2.40	62.40	









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