



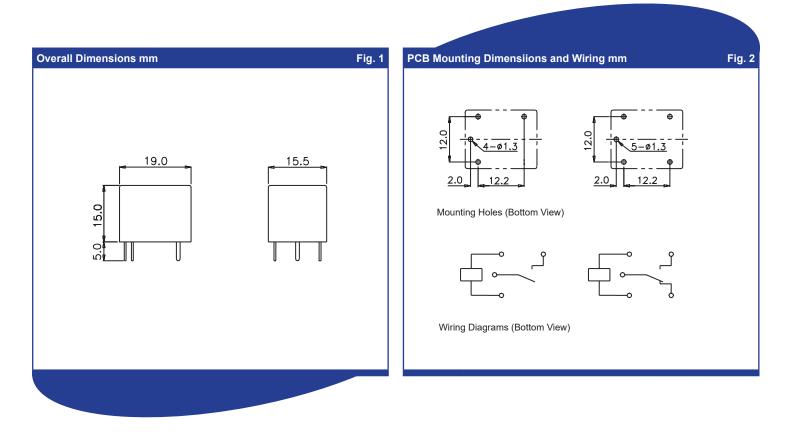
- Miniature only 19 x 15.5 x 15mm
- Optimised for DC switching
- Cost effective

				ROHS Compliant
Contacts			Ordering Code	
Contact arrangement		SPST-NO (1 Form A); SPDT (1 Form C)		
Contact material		AgSnOInO, AgNi0.15, AgNi 90/10	DG31A-8011-35	- 1 0 2 4
Max. switching voltage	DC	16V		
Min. switching current / voltage		100mA / 12VDC	<u>Series</u>	Coil code:
Max continuous current		20A @ 16VDC		See table 1
Max. switching current	make	20A	Contact material	
	break	12A	20: AgNi 90/10	
Initial contact resistance		≤100mΩ, max. at 0.1A, 6VDC	70: AgSnOInO	
Coil			80: AgNi0.15	
Rated voltage	DC	6V, 12V, 24V		
Must release voltage		≥0.1Un	Contact arrangement	
Operating range		See Table 1	11: SPDT (1 x C/O, 1 Form C)	
Rated power consumption	DC	800mW	12: SPST-NO	
Insulation				
Insulation resistance		100MΩ at 500VDC, 50%RH	Environmental protection	
Dielectric strength coil	to contact	1000Vrms, 1min	2: In cover, flux tight - IP40	
contact t	o contacts	750Vrms, 1min	3: In cover, sealed - IP67	
General Data				
Operating time	typ.	10ms	Mounting & terminations	
Release time	typ.	5ms	5: PCB Mounting	
Electrical Life ³	ops.	1 x 10 ⁵		
Mechanical life	ops.	1 x 10 ⁷		
Environmental				
Ambient temperature	operating	-40 to +85°C		
	storage	-40 to +85°C		
Shock resistance	functional	10g, 11ms		
d	estructive	100g		
Vibration resistance		DA 1.5mm 20-220Hz		
Dimensions	LxWxH	19 x 15.5 x 15mm		
Weight	approx.	10g		

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



ata				
Coil code	Nominal voltage (VDC)	Coil Resistance (Ω) ±10%	Must operate voltage max. (VDC)	Must release voltage min. (VDC)
1006	6	45	3.2	0.6
1012	12	180	6.3	1.2
1024	24	720	12.6	2.4



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.

2