



- Ultra miniature only 12 x 12.9 x 9.9 mm
- Optimised for DC switching up to 30A
- Twin version available (DG27)
- High temp version for through hole reflow
- RoHS Compliant. IMDS listed

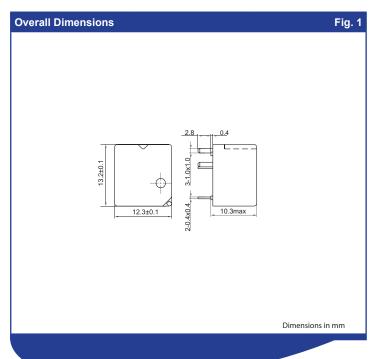
					ROHS Compliant
Contacts				Ordering Code	
Contact arrangement	SPST-NO (1 Fo	rm A), SPDT (1 F	Form C)		
Contact material	AgSnOlnO, AgN	Ni0.15		D G 2 0 B - 7 0 2 1 - 2	5 - 1 0 1 2
Max. switching voltage	C 16V	16V			
	SPDT SPST-NO		<u>Series</u>	Coil code:	
	01 01-110	NO	NC	Blank: Standard	See table 1
Max. continuous current	C 30A @12VDC	30A @ 12VDC	25A @ 12VDC	B: High temp.	
Max switching current ² (AgSnOInO) mal	e 50A	50A	25A	reflow suitable	
bre	k 30A	30A	25A	(contact factory)	
Min. switching current / voltage	AgNi0.15: 0.1A,	AgNi0.15: 0.1A, 12VDC / AgSnOlnO: 0.5A, 12VDC			
Initial contact resistance	≤100mΩ, max.	at 0.1A, 6VDC		Contact material	
Coil			70: AgSnOInO		
Rated voltage	C 10V, 12V			80: AgNi0.15	
Must release voltage	≥0.1 (≥0.125 6)	/DC coil)			
Operating range	See Table 1			Contact arrangement	
Rated power consumption	C 0.55W - see coi	l table 1		11: SPDT (1 C/O, 1 Form C)	
Insulation	sulation			21: SPST-NO (1 N/O, 1 Form A)	
Insulation resistance	100MΩ at 500VDC, 50%RH				
Dielectric strength coil to conta	oil to contact 500Vrms, 1min		Environmental protection		
General Data				2: Flux free	
Operating time ty	o. 3ms	3ms		3: Fully sealed to IP67 (DG20B	
Release time ty	o. 1.5ms	1.5ms		is vented on top of case, but	
Electrical Life ³ op	s. 1 x 10 ⁵			flux sealed around terminals.)	
Mechanical life op	s. 1 x 10 ⁷	1 x 10 ⁷			
Environmental				Mounting & terminations	
Ambient temperature operation	-40 to +105°C		5: PCB Mounting		
stora	-40 to +155°C				
Shock resistance	30g, 6ms				
Vibration resistance	6g, 10Hz-500Hz				
Dimensions L x W x	H 12.9 x 12 x 9.9r	12.9 x 12 x 9.9mm			
Weight appro	k. 4g	4g			
Packing Plastic tube, 25 relays per tube.					

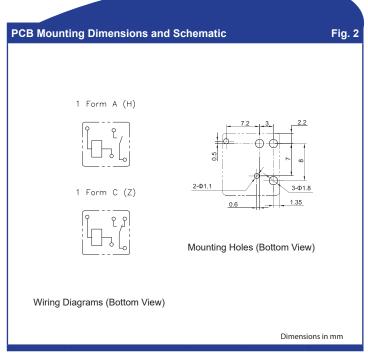




Coil Data Table 1									
Coil code	Nominal voltage (VDC)	Coil Resistance (Ω) ±10%	Must operate voltage max. (VDC)	Must operate voltage max. (VDC)	Max. allowable overdrive * VDC (23°C)				
1010	10	181	5.7	1.00	22.0				
1012	12	254	6.9	1.20	26.0				
* Above 00°C province and acceptable visitories about the model and to 700/									

^{*} Above 85°C, maximum allowable voltage should be reduced to 72%





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.