



- Miniature only 20.5 x 7 x 15mm
- High switching capacity 140W, 1250VA
- High sensitivity 200mW coils
- Cadmium free contacts

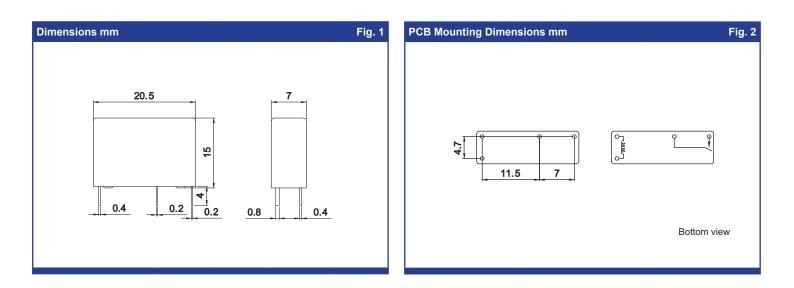
Contacts			Ordering Code	E30	5753	
			Ordening Code			
Contact arrangement		SPST-NO (1 Form A)	 D G 5 N - 3 0 2			
Contact material	10/00		DG5N-302	1 - 3 5	-1009-	
Max. switching voltage		250VAC, 28VDC				
Rated load (resistive - cos φ=1)		5A/250VAC	Series		<u>Coil code:</u>	
M	DC1	5A/28VDC			See table 1	
Max. switching power		1250VA / 140W ≤ 50mΩ at 6VDC/1A	<u>Contact material</u>			
Coil			30: AgSnO ₂			
Rated voltage	DC	348V (3V coil not UL approved)	<u>Contact arrangement</u>			
Must release voltage	DC	≥0.10Un	21: SPST-NO (1 N/O, 1 Form A)			
Operating range of supply voltage		See table 1	21. 01 01-140 (114/0,	r i onirAj		
Rated power consumption	DC	200mW	Environmental protection	n		
Insulation		2001111		3: In cover, sealed - IP67 (RTIII)		
Insulation resistance		100MΩ at 500VDC, 50%RH		or ()		
Tracking resistance	CTI	250	 Mounting & terminations			
		4,000Vrms, 1min (50/60Hz); 10,000V surge		5: For PCB		
		1,000Vrms, 1min (50/60Hz)				
General Data		, , , , , , , , , , , , , , , , ,	Options			
		≤ 10ms	Blank: Standard			
Release time		≤ 5ms				
Max. switch rate (On/Off)	electrical	30 operations / minute	GWIT IEC60695-2-13 750°C			
	mechanical	300 operations / minute	-			
Electrical life	ops.	1 x 10 ⁵ (resistive 5A/250VAC)				
Mechanical life	ops.	1 x 10 ⁷ (no load)				
Environmental						
Ambient temperature operatin		-40 to 85°C	7			
	storage	-40 to 85°C				
Shock resistance	functional	98.1m/s² (10g)				
	destructive	981m/s² 6ms (100g)				
Vibration resistance		10-55Hz DA. 1.5mm				
Flammability class	UL	94V-0				
Humidity range		45~85% RH				
Dimensions	L x W x H	20.5 x 7.0 x 15mm				
Weight	approx.	≤ 4g				

(1)

DURAKOOL

DG5N Series Miniature PCB Power Relay

Coil code	Nominal voltage (VDC)	Coil resistance Ω ±10%	Nominal Current (mA)	Must operate voltage max. VDC)	Must release voltage min. (VDC)	Max. allowable voltage (VDC)
1003	3	45	66.7	2.25	0.3	3.9
1005	5	125	40.0	3.75	0.5	6.5
1006	6	180	33.7	4.50	0.6	7.8
1009	9	405	22.2	6.75	0.9	11.7
1012	12	720	16.7	9.00	1.2	15.6
1024	24	2880	8.3	18.0	2.4	31.2



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