





DURAKOOL

- Up to 45A switching capability
- 80VDC maximum switching voltage
- Improved DG38 with magnetic arc quench

UK C C ROHS

PCB & QC terminals

					CAC	C	US Compliant
Contacts					Ordering Code		
Contact arrangement		SPST-NO (1 Form A); SPDT (1 For	m C)			
Contact material		AgSnOlnO			D G 3 8 L - 7 0 2	1 -	3 0 - 1 0 1 2 -
Max. switching voltage		28VDC, 277VAC, (optionally 80VDC, SPST-NO only)					
Min. switching current / voltage		500mA / 12VDC			<u>Series</u>		Coil code:
		SPDT		PDT	See tables 1 & 2		
		SPST-NO	NO Contact	NC Contact	Contact material		
Max. continuous current		45A	30A	15A	70: AgSnOInO		
Max. switching current		45A (20A@80VDC)	30A	15A			
Rating (not UL)	Motor 240VAC	3HP	2HP	0.75HP	Contact arrangement		
	Motor 120VAC	1.5HP	1.5HP	0.375HP	11: SPDT (1 C/O) not for F	674	
	LRA/FLA 240VAC	120A/45A	75A/30A	30A/10.5A	21: SPST-NO (1 NO)		
	LRA/FLA 120VAC	147A/33A	75A/30A	30A/10.5A			
* UL test rating		30A/28VDC 10K ops			Environmental protection		
Initial resistance		50mΩ max. at 0.1A/6VDC			3: In cover, sealed - IP67*		
Coil				* For optimum electrical life, sealed relays			
Nominal voltage	inal voltage 5110VDC			should be vented after board washing.			
Must release voltage		≥ 0.1U					
Operating range		See table 1			Mounting & terminations		
Rated power consumption	sumption 0.9W			0: PCB + QC Terminals for contacts			
Insulation							
Insulation resistance	50mΩ at 500VDC, 50%RH						
		1500Vrms, 1min			<u>Options</u>		
		1500Vrms, 1min (Contact Gap ≥1.2mm for P674)			P674: Increased contact ga	ap for 8	0VDC
General Data							
Operating time	max.	15ms					
Release time	max.	10ms					
Electrical life	ops.	1.0 x 10 ⁵ (24VDC/45A)					
Mechanical life (no load) ops.		1 x 10 ⁷					
Environmental							
		-55 to +85°C					
		-40 to +130°C					
Shock resistance functional		10g 11ms					
	destructive	100g					
Vibration resistance		DA 1.5mm 10-55Hz					
Dimensions L x W x H 32.2 x 27.5 x 28mm				* UL For DC loads only.			
Weight	approx.	32g					

DG38L 011322FW

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



Coil Data Table 1								
Coil code	Nominal voltage (VDC)	Coil resistance (Ω) ±10% at 23°C	Must operate voltage max. at 23°C (VDC)	Must release voltage min. at 23°C (VDC)				
1005	5	27	3.75	0.5				
1006	6	40	4.50	0.6				
1009	9	97	6.75	0.9				
1012	12	155	9.00	1.2				
1024	24	660	18.00	2.4				
1048	48	2560 ±15%	36.00	4.8				





