





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

UK C C ROHS

PCB & QC terminals

					pending pending E343443*	Complian
Contacts					pending pending E343443*  Ordering Code	
Contact arrangement		SPST-NO (1 Form A); SPDT ( 1 Form 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			Series	Coil code:
		0007.110	SPDT			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 P674	
	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		5110VDC			should be vented after board washing.	
Must release voltage		≥ 0.1U				
Operating range		See table 1			Mounting & terminations	
Rated power consumption 0.9W					0: PCB + QC Terminals for contacts	
Insulation						
Insulation resistance		50mΩ at 500VDC, 50%RH				
Dielectric strength	coil to contact	1500Vrms, 1min			<u>Options</u>	
open contacts		s 1500Vrms, 1min (Contact Gap ≥1.2mm for P674)			P674: Increased contact gap for 80VDC	
General Data						
Operating time	max.	15ms				
Release time	max.	10ms				
Electrical life	ops.	1.0 x 10 <sup>5</sup> (24VDC/45A)				
Mechanical life (no load)	dechanical life (no load) ops. 1 x 10 <sup>7</sup>					
Environmental						
Ambient temperature operating		-55 to +85°C				
	storage	-40 to +130°C				
Shock resistance functional destructive		al 10g 11ms				
		100g				
Vibration resistance		DA 1.5mm 10-55Hz				
Dimensions	LxWxH	W x H 32.2 x 27.5 x 28mm		* UL For DC loads only.		
Weight	approx.	32g				

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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





