



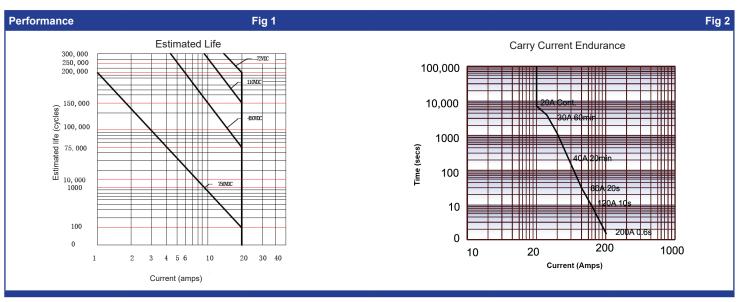
- SPST-NO. Rated 20A / 450VDC
- Will carry 25A @ 450VDC (PCB type)
- · Magnetic arc blowout
- · Miniature case size
- PCB mounting & chassis mounting
- >3mm contact gap

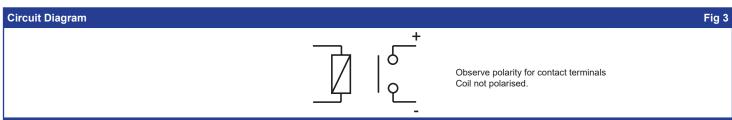
				ROHS Compliant	
Contacts			Ordering Code	Compliant	
Contact arrangement		SPST-NO-DM (1 Form X)			
Contact material		AgSnO ₂	DE20-50 21-35	- 1 0 1 2	
Rated current	DC1	20A / 450VDC (25A PCB Version)			
Max. switching voltage		450VDC	Series	Coil code:	
Max. breaking capacity		9000W		See table 1	
Initial contact resistance		10mΩ at 20A	Contact material		
Min. switched load		1A / 12VDC	50: AgSn0 ₂		
Max. operating frequency	rated load	360 cycles/hour			
Coil			Contact arrangement		
Operating range	DC	12VDC, 24VDC See Table 1	21: SPST-NO-DM (1 Form X)		
Rated power consumption		DC: 1.6W @ 23°C			
Insulation			Mounting & terminations		
Coil insulaton system		IEC 31, CLASS F 155°C	35: Plain cover - PCB Mounting IP67 Sea	lled	
Insulation resistance		>100 MΩ at 500VDC, 50%RH	S6: Flanged cover - chassis mount		
Dielectric strength					
	coil to contact	3000V _{rms} (50/60Hz, 1min, <1mA leakage)			
	open contacts	2000V _{rms} (50/60Hz, 1min, <1mA leakage)			
General Data					
Electrical life at full rated load	cycles	1.5 x 10 ⁵ 10A 450VDC			
		7.5 x 10 ⁴ 20A 450VDC			
		2 x 10 ⁵ 20A 72VDC			
Mechanical life	cycles	>1 x 10 ⁶			
Environmental					
Environmental protection		IP67			
Ambient temperature	operating	-40 to +85°C			
	storage	-40 to +125°C			
Mechanical shock		20g, 11ms			
Vibration resistance		10-40Hz: DA1.27mm, 40-70Hz 5g			
		70-100Hz: DA0.5mm, 100-500Hz: 5g			
Dimensions	LxWxH	41 x 30 x 31.6mm approx.(excluding flanges)			
Weight	approx.	60g (flange mounting type)			

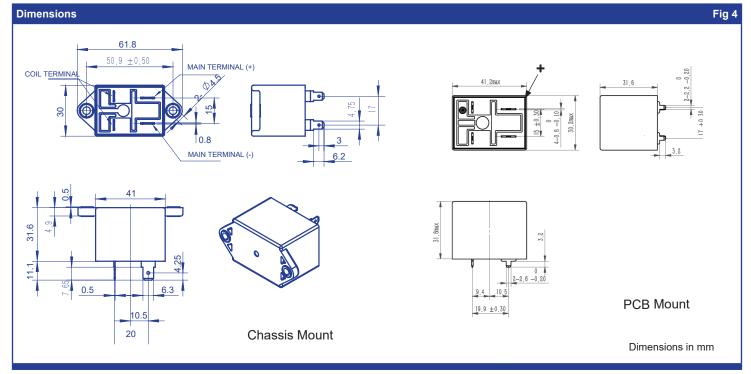
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DC Coil Data Table									
Coil code	Nominal voltage (VDC)	Must operate voltage max. (VDC@ 23°C)	Max. allowable voltage (VDC)	Must release voltage min. (VDC)	Coil resistance Ω ±10% (at 30°C)	Coil current (mA)			
1012	12	9.00	18.0	1.0	90	133.3			
1024	24	18.0	35.0	2.0	360	66.7			
Operate time (at nominal voltage) typ. 30ms						·			
Release time typ. 10ms									







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