

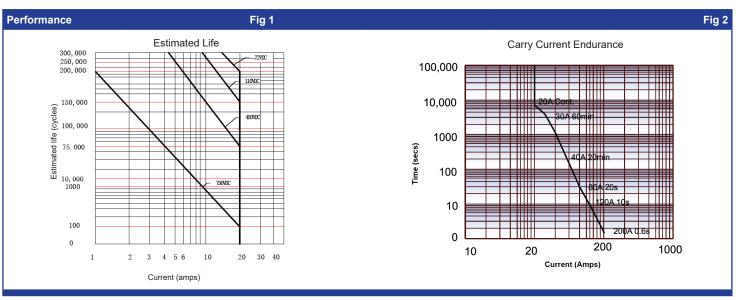


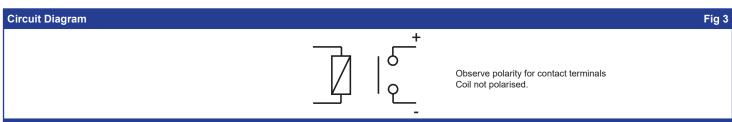
- SPST-NO Rated 20A / 450VDC
- Will carry 25A @ 450VDC (PCB type)
- Magnetic arc blowout
- Miniature case size
- PCB mounting & chassis mounting
- >3mm Contact gap

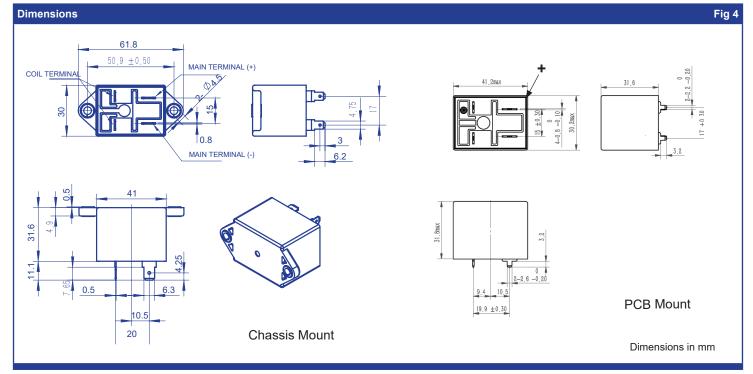
			UK € RoHS Compliant ✓		
Contacts			Ordering Code		
Contact arrangement		SPST-NO-DM (1 Form X)			
Contact material		AgSnO ₂	DE20-50 21-35-1012		
Rated current	DC1	20A / 450VDC (25A PCB Version)			
Max. switching voltage		450VDC	Series Coil code:		
Max. breaking capacity		9000W	See table 1		
Initial contact 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 Sealed		
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 L x W x H		41 x 30 x 31.6mm approx.(excluding flanges)			
Weight	approx.	60g (flange mounting type)			



DC Coil Data								
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								







Specifications are subject to change without notice. E&OE