



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

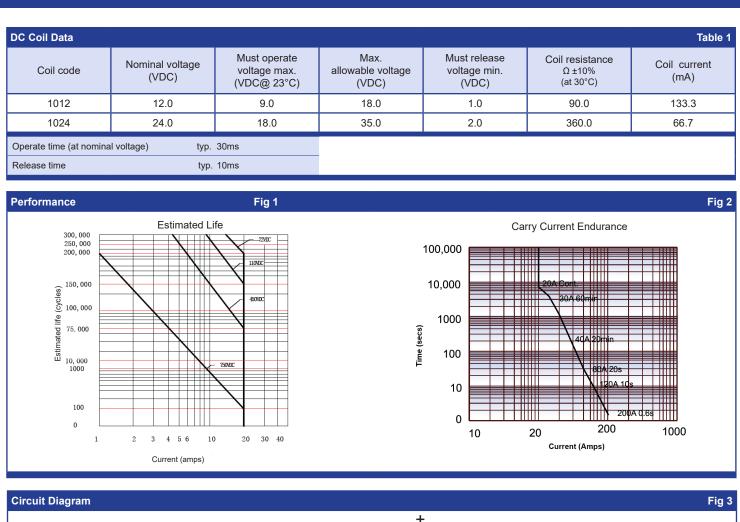
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Contacts		Ordering Code
Contact arrangement	SPST-NO-DM (1 Form X)	
Contact material	AgSnO ₂	DE20-50 21-35-1012
	20A / 450VDC (25A PCB Version)	
Max. switching voltage	450VDC	Series Coil code:
Max. breaking current	100A (450VDC>1 cycle)	See table 1
Max. breaking power	45kW	
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 contac	3000V _{ms} (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 10⁵ 10A 450VDC	1
	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)	
	60g (flange mounting type)	

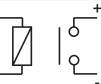
Specifications are subject to change without notice. E&OE.

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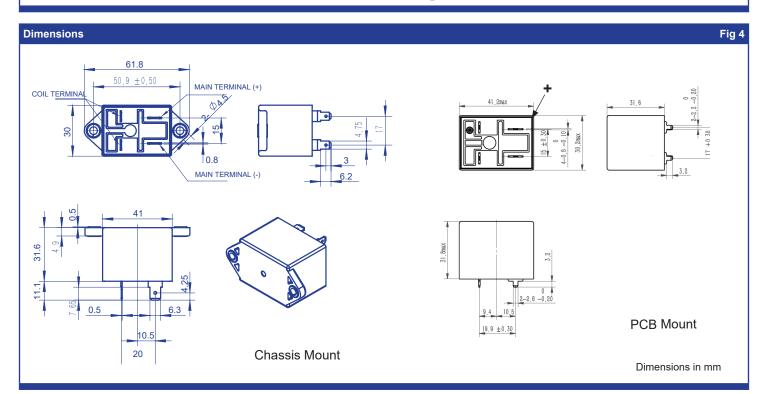
DURAKOOL

DE20 Series Automotive Relay





Observe polarity for contact terminals Coil not polarised.



DE20 042122FW

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