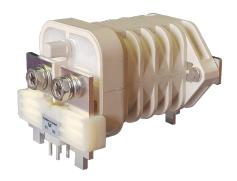


DEVR10 PCB Series

HVDC contactor 100A / 900VDC



- HVDC 100A at 450VDC
- PCB mounting
- Max. switching current = 600A

UK C C TO 18

- Contacts sealed in inert gas
- Magnet arc blowout
- Auxiliary contact option
- PCB terminals

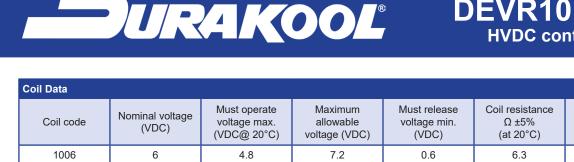
		CA CE C SOLETON Compliant			
Contacts		Ordering Code			
Contact arrangement	SPST-NO-DM				
Contact material	T2+Ag	DEVR10-5061-S8-1012-PCB			
Max. switching voltage AC/D0	900VDC				
Rated load (resistive, cos φ=1) DC	100A 450VDC	Series Coil code:			
Max. continuous thermal current 600s	140A	See table 1			
60:	180A	Contact material			
Max switching current 1 time only	600A 450VDC	50: T2+Ag			
Initial contact resistance max	1mΩ (at 1A)				
Auxiliary Contact (when fitted) arrangemen	SPST-NO (1 Form A)	Contact arrangement			
max. curren	2A @ 30VDC / 3A @ 125VAC	61: SPST-NO*			
min. curren	100mA @ 5VDC	71: SPST-NO* + Auxiliary			
Coil		81: SPST-NO			
Nominal voltage (see page 2)	672VDC	* Polarized - see page 2			
Rated power consumption	5.54W @ 12VDC				
Insulation		Body style			
Insulation resistance initia	100MΩ (min.)	S8: M5 Female power terminals			
life end	50MΩ (min.)				
Dielectric strength coil to contac	2500Vrms / 1mA / 1 min (at sea level)	Mounting & terminations			
contact to contact	t 2500Vrms / 1mA / 1 min (at sea level)	PCB: PCB mounting, coil & power contacts			
General Data					
Operate time at 20°C max	25ms				
Bounce time at 20°C max	7ms				
Release time at 20°C max	12ms				
Electrical life ops	Voltage and current dependent - see fig. 1				
Mechanical life ops	1 x 10 ⁶				
Environmental					
Environmental sealing	Contacts & coil inside a hermetically sealed can				
Ambient temperature operating	-40 to +85°C				
Relative humidity	5 to 85%RH				
Shock resistance	20G peak, 11ms ½ sine				
Vibration resistance	20G sine peak (80 to 2000Hz)				
Dimensions L x W x F	61.1 x 53.8 x 43mm approx. (above PCB)				
Weight approx	220 ±5g				

Specifications are subject to change without notice. E&OE

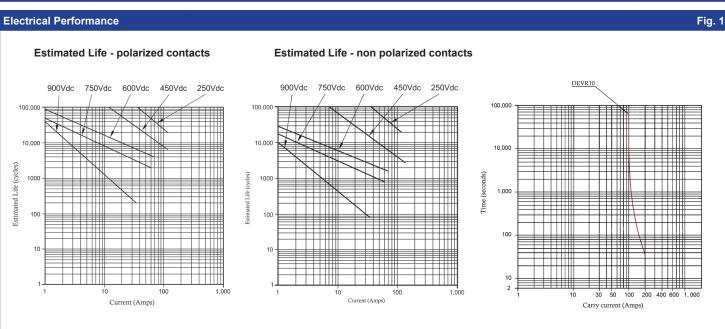


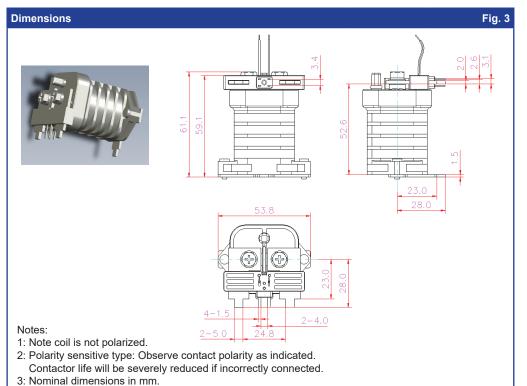
DEVR10 PCB Series

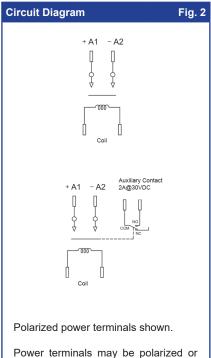
HVDC contactor 100A / 900VDC



Coil Data Table 1								
Coil code	Nominal voltage (VDC)	Must operate voltage max. (VDC@ 20°C)	Maximum allowable voltage (VDC)	Must release voltage min. (VDC)	Coil resistance Ω ±5% (at 20°C)	Coil Current (mA)	Coil Power (W @ 20°C)	
1006	6	4.8	7.2	0.6	6.3	952.4	5.71	
1012	12	9.6	14.4	1.2	26.0	461.5	5.51	
1024	24	19.2	28.8	2.4	96.4	249.0	5.98	
1028	28	22.4	33.6	2.8	136.0	205.9	5.76	
1036	36	28.8	43.2	3.6	227.0	158.6	5.71	
1048	48	38.4	57.6	4.8	392.0	122.5	5.88	
1072	72	57.6	86.4	7.2	868.0	83.0	5.97	







4: Tolerances (nominal), <10mm: ± 0.3mm, 10 ~ 50mm: ± 0.6mm, >50mm: ± 1.0mm.

option.

non-polarized depending upon chosen