



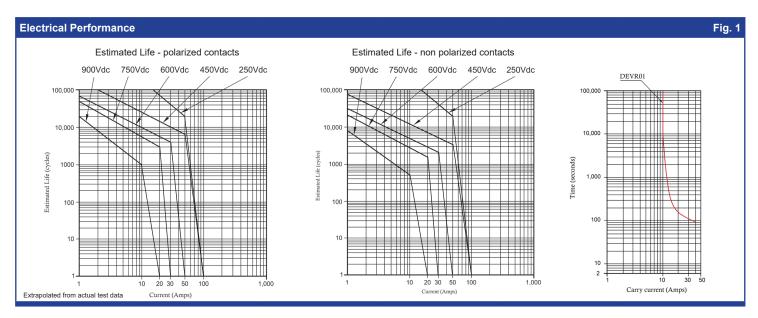
- HVDC 10A at 450VDC
- Max. switching current = 100A
- · Contacts sealed in inert gas
- Magnet arc blowout
- Pre-charge relay
- Female M4 power terminals

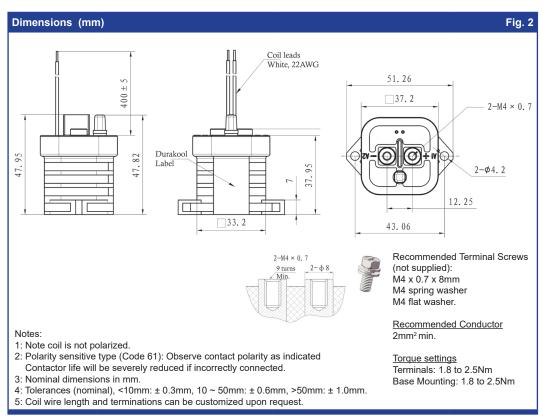
			UK CE ROHS Compliant			
Contacts			Ordering Code			
Contact arrangement		SPST-NO-DM				
Contact material		T2+Ag	DEVR01-5061-S8-1024-R			
Max. switching voltage	AC/DC	900VDC				
Rated load (resistive, cos φ=1)	DC1	10A 450VDC	Series Coil code:			
Max. continuous thermal current	180s	20A	See table 1			
	120s	30A	Contact material			
Max switching current	1 time only	100A 350VDC	50: T2+Ag			
Initial contact resistance	max.	1mΩ (at 1A)				
Coil			Contact arrangement			
Rated voltage (see page 2)	DC	6~72VDC	61: SPST-NO			
Rated power consumption	hold	3.2W @ 12VDC	81: SPST-NO (no polarity)			
Insulation						
Insulation resistance	initial	100MΩ (min.)	Mounting & terminations			
	life end	50MΩ (min.)	Bottom flange mounting base			
Dielectric strength	coil to contact	2500Vrms / 1mA / 1 min (at sea level)	S8: M4 Female power terminals			
(contact to contact	2500Vrms / 1mA / 1 min (at sea level)	Coil by flying leads			
General Data						
Operate time at 20°C	max.	25ms	Coil wire length			
Bounce time at 20°C	max.	7ms	R: 400mm (standard)			
Release time at 20°C max.		12ms	T: 5.9" (150mm)			
Electrical life		Voltage and current dependent - see fig. 1				
Mechanical life		1 x 10 ⁶	Coil wire & auxiliary contact termination			
Environmental			1: None			
umbient temperature operating		-40 to +85°C	2: Yazaki 7282-5558-10 Male			
Relative humidity		5 to 85%RH				
Shock resistance		20G peak, 11ms 1/2 sine	Other terminations to special order			
Vibration resistance		20G sine peak (80 to 2000Hz)				
Dimensions	LxWxH	37.2 x 51.26 (over flanges) x 47.82 (approx.)				
Weight	approx.	120g ±5g				

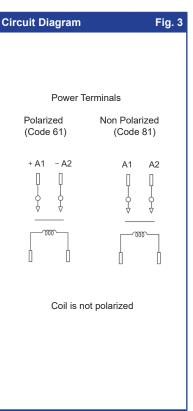


DEVR01 Series HVDC Contactor 10A / 900VDC

Coil Data Table 1									
Coil code	Nominal voltage (VDC)	Must operate voltage max. (VDC@ 20°C)	Max. 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	11	545.5	3.3		
1012	12	9.6	14.4	1.2	45	266.7	3.2		
1024	24	19.2	28.8	2.4	167	143.7	3.45		
1028	28	22.4	33.6	2.8	240	116.7	3.3		
1036	36	28.8	43.2	3.6	400	90.0	3.2		
1048	48	38.4	57.6	4.8	630	76.2	3.66		
1072	72	57.6	86.4	7.2	1600	45.0	3.2		







Specifications are subject to change without notice. E&OE