## DURAKOOL





## • HVDC 250A at 450VDC.

- Max. Switching current = 2000A.
- AgSnO<sub>2</sub> contacts sealed in inert gas.
- Magnet arc blowout.
- Auxiliary contact option.
- Female M6 or M8 Male power terminals.

			Complian			
Contacts		Ordering Code				
Contact arrangement		SPST-NO-DM				
Contact material		AgSnO <sub>2</sub>	DEVR25 - 50 61 - S8 - 0936 -			
Max switching voltage	AC/DC	900VDC				
Rated load (resistive, cos φ=1)	DC1	250A 450VDC	Series			
Max continuous thermal current	t 900 secs	350A				
	180 secs	500A	Contact Material			
Max. switching current	1 time only	2000A 350VDC	50: AgSnO <sub>2</sub>			
Initial contact resistance	max.	1mΩ (at 1A)				
Auxiliary Contact (when fitted)	Arrangement	SPST-NO (1 Form A) (SPST-NC by request)	Contact Arrangement			
	Max. Current	2A @ 30VDC / 3A @ 125VAC	61: SPST-NO*			
	Min. Current	100mA @ 8V	71: SPST-NO* + Auxiliary			
Coil			81: SPST-NO			
Rated Voltage (see page 2)	DC	9~36Vdc (with coil economizer)	91: SPST-NO + Auxiliary			
Rated power consumption	hold	1.56W @ 12VDC	* Polarized - see page 2			
Insulation			Mounting & Connections			
nsulation resistance	Initial	100MΩ (Min.)	Bottom flange mounting base			
	Life End	50MΩ (Min.)	S8: M8 Male stud power terminals			
Dielectric strength	coil to contact	2500Vrms / 1mA / 1 min (at sea level)	S9: M6 Female thread power terminals			
	contact to contact	2500Vrms / 1mA / 1 min (at sea level)	Coil & auxiliary contacts by flying leads			
General Data						
Operate time at 20°C	max.	25ms	Coil Code			
Bounce time	max.	7ms	See coil codes - Table 1			
Release time	max.	12ms				
Electrical life		Voltage and Current Dependent - See Fig. 1	Coil Wire Length			
Mechanical life	ops.	2 x 10 <sup>5</sup>	R: 14.96" (380mm)			
Ambient temperature	operating	-40 to +85°C	T: 5.9" (150mm)			
Relative humidity		5 to 85%RH				
Shock resistance		20G peak, 11ms 1/2 sine	Coil Wire & Auxiliary Contact Termination			
Vibration resistance		20G sine peak (80 to 2000Hz)	1: None			
Dimensions	L x W x H	58.2 x 80.48 (over flanges) x 72.11 (max.)	2: Yazaki 7282-5558-10 Male			
Weight	approx.	430g ±10g	3: Molex Mini-Fit Female			
			Other terminations to special order			



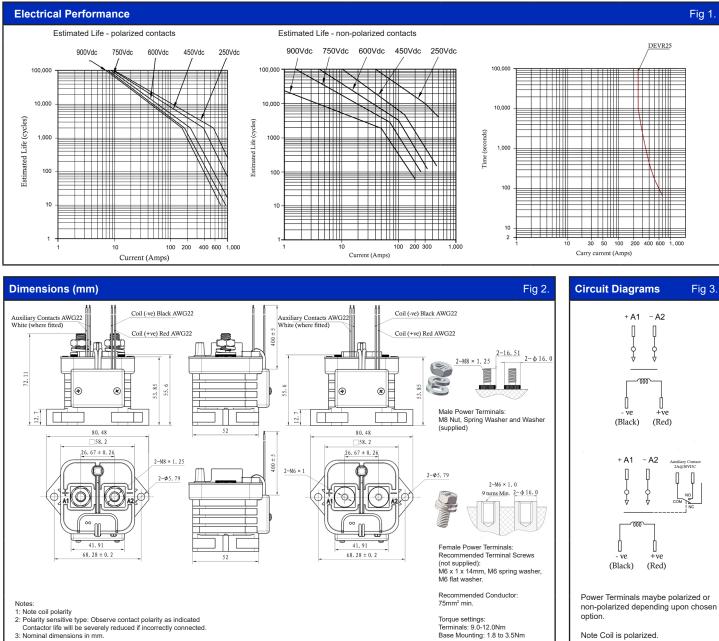
DEVR25 112918HM

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## **DEVR25** series HVDC contactor 250A / 900VDC

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oil Data							Table 1
Coil code	Nominal voltage (VDC)	Must operate voltage Max. (VDC)	Maximum allowable voltage (VDC)	Must release voltage min. (VDC)	Inrush Current Max. (A)	Hold Voltage Min. (VDC)	Holding Current (Average)
0936	9 - 36	9	36	6	3.8	7.5	130mA@12VDC 70mA @ 24VDC
her coils available upo	n special request						



4: Tolerances (nominal), <10mm: ± 0.3mm, 10 ~ 50mm: ± 0.6mm, >50mm: ± 1.0mm. 5: Coil wire length and terminations can be customized upon request.

URAKOOL Specifications are liable to change without notice. E&OE

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