



- HVDC 500A continuous
- Max. switching current = 2000A
- Contacts sealed in inert gas
- Magnet arc blowout
- Auxiliary contact option
- PWM Coil economiser standard
- Female M6 or M8 male power terminals

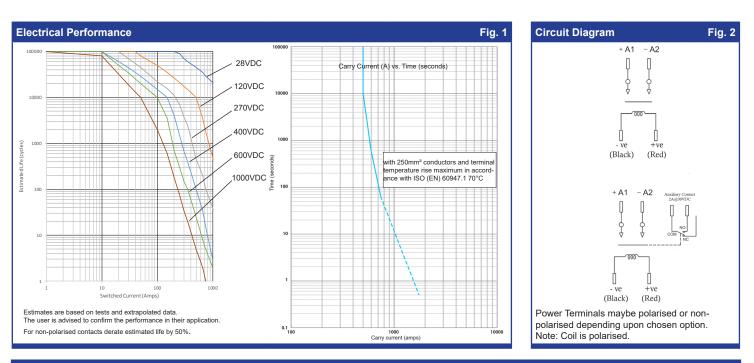
			Compliant			
Contacts			Ordering Code			
Contact arrangement		SPST-NO-DM				
Contact material		T2+Ag	D E V R 3 0 - 5 0 6 1 - S 8 - 0 9 3 6 - R 1			
Max. switching voltage	AC/DC	1000VDC				
Rated load	DC1	500A 1000VDC (break only above 300A)	Series Coil code:			
Max. continuous thermal current	600s	600A (with 250mm ² conductors)	See table 1			
	60s	750A (with 250mm ² conductors)	Contact material			
Max switching current	1 time only	2000A 350VDC	50: T2+Ag			
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 @ 5VDC	71: SPST-NO* + Auxiliary			
Coil			81: SPST-NO			
Nominal voltage (see page 2)	DC	9~36VDC, 32~95VDC (with coil economiser)	91: SPST-NO +Auxiliary			
Rated power consumption	hold	1.56W @ 12VDC	* Polarised see page 2			
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: M8 male stud power terminals			
с	ontact to contact	2500Vrms / 1mA / 1 min (at sea level)	S9: M6 female thread power terminals			
General Data			Coil & auxiliary contacts by flying leads			
Operate / bounce time at 20°C	max.	25ms / 7ms				
Release time	max.	12ms	Coil wire length			
Electrical life	ops.	Voltage and current dependent - see fig. 1	R: 14.96" (380mm)			
Mechanical life	ops.	2 x 10⁵	T: 5.9" (150mm)			
Environmental						
Environmental sealing	IP rating	Contacts are inside hermetically sealed can,	Coil wire & auxiliary contact termination			
		economiser is protected by dust cover only.	1: None			
Ambient temperature	operating	-40 to +85°C	2: Yazaki 7282-5558-10 Male			
Relative humidity		5 to 85%RH	Other terminations to special order			
Shock resistance		20G peak, 11ms 1/2 sine				
Vibration resistance		20G sine peak (80 to 2000Hz)				
Dimensions	L x W x H	58.2 x 80.48 (over flanges) x 72.11 (max.)				
Weight	approx.	430g±10g				

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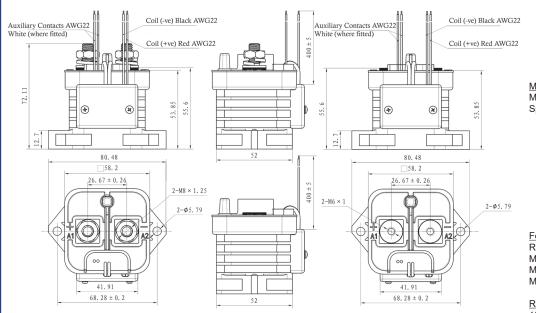
DURAKOOL

DEVR30 Series HVDC Contactor 600A / 1000VDC

Coil Data Table '										
Coil code	Nominal voltage (VDC)	Must operate voltage max. (VDC)	Max. 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			
3295	32 - 95	32	95	18	1.3	22	30mA @ 48VDC			
PWM Coil economiser standard, no additional coil surge suppression required.										
Other voltages available upon special request and subject minimum quantity.										



Dimensions

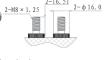


Notes:

DEVR30 111022JHM

1: Note coil polarity

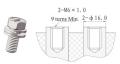
- 2: Polarity sensitive type: Observe contact polarity as indicated.
- Contactor life will be severely reduced if incorrectly connected.
- 3: Nominal dimensions in mm.
- 4: Tolerances (nominal), <10mm: ± 0.3mm, 10 ~ 50mm: ± 0.6mm, >50mm: ± 1.0mm.
- 5: Coil wire length and terminations can be customised upon request.



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Fig. 3

Male Power Terminals: M8 Nut Spring Washer and Washer (supplied)



Female Power Terminals Recommended Terminal Screws (not supplied): M6 x 1 x 14mm M6 spring washer M6 flat washer

Recommended Minimum Conductor 150mm² Preferred conductor: 250mm²

Torque settings Terminals: 9.0-12.0Nm Base Mounting: 1.8 to 3.5Nm