

DEVR30 Series HVDC Contactor 300A / 1000VDC



*Image is for illustrative purposes only. Please refer to datasheet for detail.

- Max. switching current = 2000A
- · Contacts sealed in inert gas
- · Magnet arc blowout
- Auxiliary contact option (mechanically linked)
- Female M6 or M8 Male power terminals
- Non-polarised (bi-directional) design
- Dual coil economiser (with TVS diode protection)

CE CHUS ROHS

Contacts		Ordering Code Compliant			
Contact arrangement	SPST-NO-DM				
Contact material	T2+Ag	D E V R 3 0 - 5 0 9 1 - S 8 - D 0 1 2 - R 1 / 3			
	C 1000VDC				
	11 300A 1000VDC (break only above 400A)	Series Coil code:			
	ds 380A	See table 1			
	s 900A	Contact material			
	ly 2000A 450VDC	50: T2+Ag			
	x. 30mΩ (at 1A)				
	σοπιΣ (αt 1/1)1mΩ (at 1A)				
	nt SPST-NO (1 Form A)	Contact arrangement			
	nt 2A @ 30VDC / 3A @ 125VAC	81: SPST-NO			
	nt 100mA @ 8VDC	91: SPST-NO+ Auxiliary			
Coil	TOOTHA (OVDC	91. SPS1-NOT Auxiliary			
	C 12VDC, 24VDC				
	d 6W @ 12VDC	-			
Insulation	0				
	al 100MΩ (Min.)	Mounting & terminations			
	<u> </u>	-			
	d 50MΩ (Max.) ct 3500Vrms / 10mA / 1 min (at sea level)	Bottom flange mounting base			
	·	S8: M8 male stud power terminals			
General Data	ct 3500Vrms / 10mA / 1 min (at sea level)	S9: M6 female power terminals Coil & auxiliary contacts by flying leads			
	x. 30ms	Coll & auxiliary contacts by flying leads			
	x. 7ms	Coil wire longth			
	x. 12ms	Coil wire length R: 15.75" (400mm)			
		- 13.73 (400Hill)			
<u> </u>	s. Voltage and current dependent - see fig. 1 s. 2 x 10 ⁵				
<u> </u>	2 × 10-	Coil wire & auxilary contact termination			
Environmental Environmental Seal (Power Contacts)	P IP67	1. None			
,		*Other terminations to special order.			
·	g -40 to +85°C e -70 to +150°C				
		_			
Relative humidity Shock resistance	5 to 95%RH	Version			
Vibration resistance	20g peak, 11ms 1/2 sine	Version 2			
<u> </u>	20g sine peak (80 to 2000Hz)	/3: Version 3			
	H 58.20 x 80.48 (over flanges) x 72.11mm (max.)				
Weight appro	x. 470g ±10g				

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



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Coil Data							Table 1
Coil code	Nominal voltage (VDC)	Must operate voltage max. (VDC at 23°C)	Max. allowable voltage (VDC)	Must release voltage min. (VDC)	Inrush Current Max. (A)	Holding Current (Average)	Rated Coil Power (W at 23°C)
D012	12.0	9.0	14.7	1.2	3.8	420mA @ 12VDC	5W @ 12VDC
D024	24.0	18.0	28.0	2.4	2.0	200mA @ 24VDC	5W @ 24VDC

Dual coil, product has been configured with coil surge absoption circuit, engineers do not need to configure.





