



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

- HVDC 10A at 1000VDC
- Max. switching current = 300A
- Contacts sealed in inert gas
- Magnet arc blowout
- Pre-charge relay
- Female M4 power terminals
- Non-polarised (bi-directional) design

			CE RoHS Compliant			
Contacts			Ordering Code			
Contact arrangement		SPST-NO-DM				
Contact material		T2+Ag	D E V R 0 1 - 5 0 8 1 - S 8 - 1 0 2 4 - R ²			
Max. switching voltage	AC/DC	1000VDC				
Rated load (resistive, cos φ=1)	DC1	10A 1000VDC	Series Coil code:			
Max. continuous thermal current	600s	18A	See table 1			
	30s	45A	Contact material			
Max switching current 1	time only	300A 450VDC	50: T2+Ag			
Initial contact resistance	max.	30mΩ (at 1A)				
	typ.	1mΩ (at 1A)				
Coil			Contact arrangement			
ated voltage (see page 2) DC		12~48VDC	81: SPST-NO (no polarity)			
Rated power consumption	hold	3.2W @ 12VDC				
Insulation						
Insulation resistance	initial	100MΩ (min.)	Mounting & terminations			
lif		50MΩ (max.)	Bottom flange mounting base			
Dielectric strength coil to contact		3500Vrms / 10mA / 1 min (at sea level)	S8: M4 Female power terminals			
contact	to contact	3500Vrms / 10mA / 1 min (at sea level)	Coil by flying leads			
General Data						
Operate time at 23°C max.		30ms	Coil wire length			
Bounce time at 23°C max.		7ms	R: 400mm (standard)			
Release time at 23°C max.		12ms	T: 5.9" (150mm)			
Electrical life		Voltage and current dependent - see fig. 1				
Mechanical life		2 x 10 ⁵ (ON : OFF = 1s : 9s)	Coil wire & auxiliary contact termination			
Environmental			1: None			
Environmental Seal		IP67	2: Yazaki 7282-5558-10 Male, fitted to coil wires only.			
mbient temperature operating		-40 to +85°C	Other terminations to special order			
Relative humidity		5 to 95%RH				
Shock resistance		20G peak, 11ms 1/2 sine				
Vibration resistance		20G sine peak (80 to 2000Hz)	Version:			
Dimensions L x W x H		37.2 x 51.26 (over flanges) x 47.82 (approx.)	/1: Version 1			
Weight	approx.	120g ±5g				

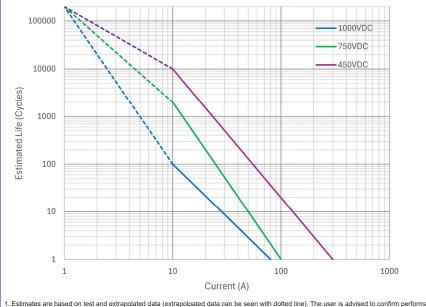
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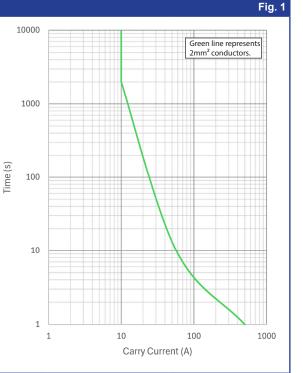
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DEVR01 Series HVDC Contactor 10A / 1000VDC

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)	Coil resistance Ω ±10% (at 23°C)	Coil Current (mA)	Coil power (W at 23°C)	
1012	12.0	9.0	13.2	1.2	45.0	266.7	3.2	
1024	24.0	18.0	26.4	2.4	167.0	143.7	3.5	
1048	48.0	36.0	52.8	4.8	630.0	76.2	3.7	

Electrical Performance

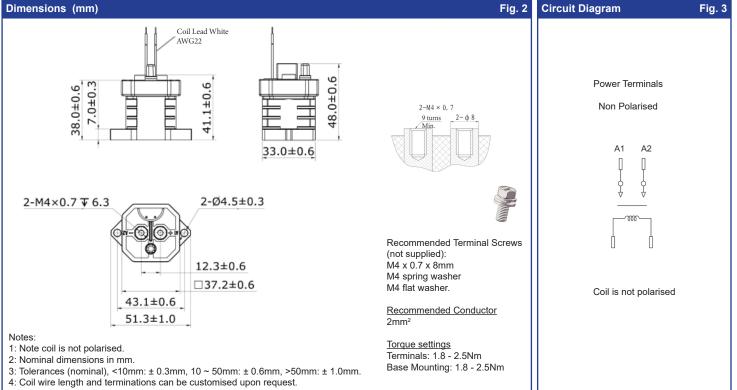




1. Estimates are based on test and extrapolated data (extrapoloated data can be seen with dotted line). The user is advised to confirm performance

Estimates are based on test and extrapolated data (extrapolated data can be seen with doubd line). The user is ad in their application.
Recommended conductor size and terminal temperature rise maximum in accordance with ISO (EN) 60947.1 70°C.
Estimated electrical life is based on make and break current.
All data is based on resistive data.

Dimensions (mm)



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Specifications are subject to change without notice. E&OE

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