

DC HIGH VOLTAGE EV RELAY

EVD800



EVD800

PERFORMANCE

ITEM		PARAMETER	
Contact Arrangement	SPST-NO		
Auxiliary Contact	SPST-NO(Optional)		
	MIN Load: 8Vdc 100mA ; Contact Resistance: $\leq 100m\Omega$		
Voltage Rating	12-200Vdc	12-750Vdc	12-1000Vdc 12-1500Vdc
Current Rating	1-800A		
Current Endurance	800A Cont. ; 900A 10min. ; 1000A 120sec. ; 1100A 30sec.		
Break Current, Max (only 1 time)	2500A 320Vdc		
Contact Resistance (Initial)	$\leq 1m\Omega$ (at 800A)		
Operate Time (at 20°C)	40ms Max.		
Bounce Time (at 20°C)	5ms Max.		
Release Time (at 20°C)	20ms Max.		
Mechanical Life (0.5s:0.5s)	2×10^5 Cycles		
Electrical Life	See graph		
Current-carrying capacity curve	See graph		
Insulation resistance	Initial: 100M Ω 1000Vdc		
	After test: 50M Ω 1000Vdc		
Impulse withstand voltage (initial)	Main contact 1mA/1min.(sea level)	AC 3500Vrms	
	Main contact & coil 1mA/1min.(sea level)	AC 2500Vrms	AC 3500Vrms
Mechanical performance	Shock	20G peak,11ms 1/2 Sine wave (coil energized)	
	Vibration	20G peak,80-2000Hz,Sine wave (coil energized)	
	Strength	50G acceleration, half sine wave impulse 6ms, 50 times per axis.	
Operating & Storage Condition	Ambient Temperature	-40~+85°C	
	Humidity	5~95% RH.	
Altitude	$\leq 4000m$		
Weight	approx. 990g		
Certification	UL、CE、CCC		

COIL DATA

Coil Type	Nominal voltage (at 20°C)	Pick-up voltage (at 20°C)	Drop-out voltage (at 20°C)	Start-up current	Holding power (at 20°C)	Coil polarity
PWM	12-36Vdc	$\leq 9Vdc$	$\geq 6Vdc$	3.2A MAX	approx. 3.0W	non-polarized



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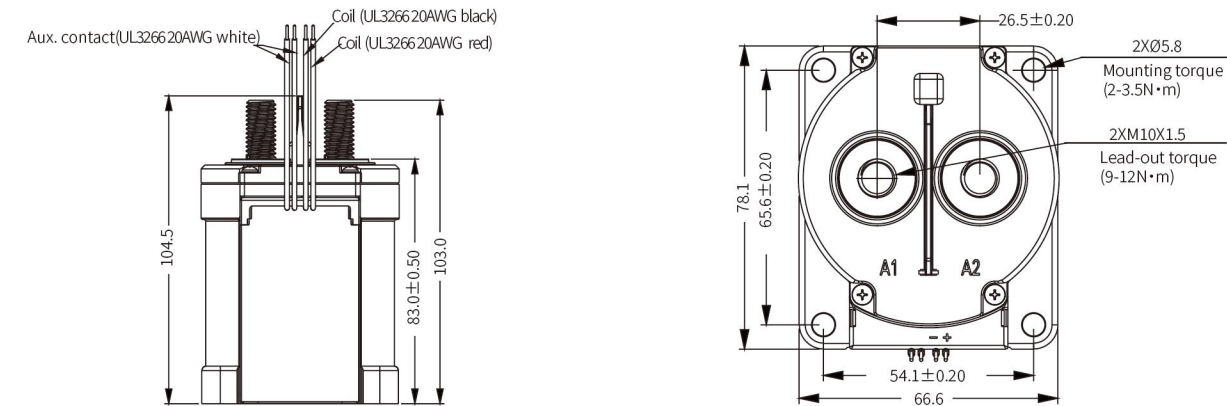
EVD800



PART CODE



DIMENSIONS



Note: 1.fastener:2xM10x8mm; 2.Mounting hardware M 5, torque 2-3.5N·m; 3.Main contact hardware M 10, torque 9-12N·m; 4.Main contact to copper area $\geq 400mm^2$;

GRAPHS

