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PERFORMANCE DATA

Contact Arrangement: Power Contacts		1 Form X (SPST-NO-DM)
Rated Operating Voltage	Vdc	100 - 900
(NOTE: Voltages between 450 to 900 Vdc are capable but load dependent and require TE Engineering approval)		
Continuous (Carry) Current, Typical	A	500 @ 65°C, 400 mcm conductors
Consult factory for required conductors for higher (500+ A) currents		
Break Current at 320 Vdc	A	2,000, 1 cycle
Contact Resistance, Typical (@ 200A)	mohms	0.2
Load Life	Cycles	See Chart
Mechanical Life	Cycles	1,000,000
Operate Time @ 25°C		
Close (includes bounce), Typical	ms	15
Bounce (after close only), Max	ms	7
Release (includes arcing), Max @ 2000A	ms	12
Dielectric Withstand Voltage	Vrms	2,200 @ sea level (leakage < 1 mA)
Insulation Resistance @ 500 Vdc	megohms	100 (50 at end of life)
Shock, 11ms 1/2 sine, peak, operating	G	20
Vibration, sine, 80 - 200 Hz, peak	G	20
Operating Ambient Temperature	°C	-40° to +85°
Weight (Nominal)	lb [kg]	.95 [0.43]

Voltage (will operate)	9 - 36 Vdc
Voltage (Max)	36 Vdc
Pickup (close) Voltage (Max)	9 Vdc
Hold Voltage (Min)	7.5 Vdc
Dropout (open) Voltage (Min)	6 Vdc
Inrush Current (Max)	3.8A
Holding Current (Avg)	0.13A @ 12V
Inrush Time (Max)	130 ms

Coil Wire is 22AWG
with 15.3 IN [390mm] Length

STAINLESS

LABEL

A1 "+" POSITIVE TERMINAL

A2 "-" NEGATIVE TERMINAL

Mounting Hardware (Not Supplied):
 2 x M5 Bolt
 2 x M5 Lockwasher
 2 x M5 Narrow Washer
 Torque 15 to 30 in-lb [1.7 to 3.3 Nm]

RED = "+" COIL

BLACK = "-" COIL

- TO AVOID OVERHEATING, THE COIL ABOVE SHOULD NOT BE LEFT ON AT FULL POWER (12V) FOR A LONG PERIOD OF TIME.
- THE MINIMUM HOLD CURRENT OF 650mA (MENTIONED ABOVE) ONLY PRODUCES A T-RISE OF 20°C (MAX).
- FOR ANY OTHER INFORMATION, PLEASE REFER TO THE EV200 GENERAL CUSTOMER DATASHEET.

2138806-1

PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN D. DRUMMOND 30MAR2016	TE Connectivity	
DIMENSIONS: INCHES		CHK A. LEE 30MAR2016	NAME RELAY, EVC500 SPST-NO 12V	
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±- 1 PLC ±- 2 PLC ±.01 3 PLC ±.005 4 PLC ±- ANGLES ±1° FINISH		APVD A. LEE 30MAR2016	PRODUCT SPEC - APPLICATION SPEC -	
MATERIAL -		WEIGHT -	SIZE A200779	CAGE CODE C-2138806-1
CUSTOMER DRAWING		SCALE 1:1	SHEET OF	REV A1

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