

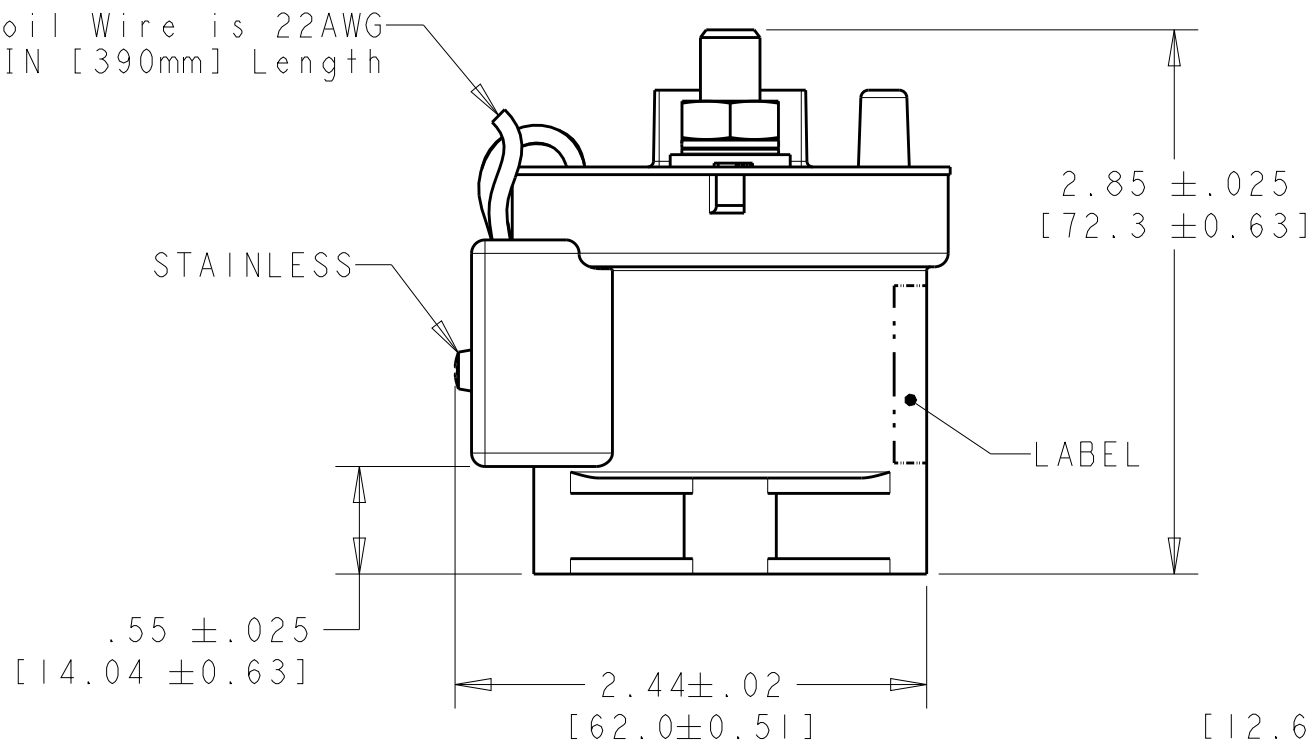
THIS DRAWING IS UNPUBLISHED.	RELEASED FOR PUBLICATION	20
© COPYRIGHT 20	BY -	ALL RIGHTS RESERVED.

PERFORMANCE DATA

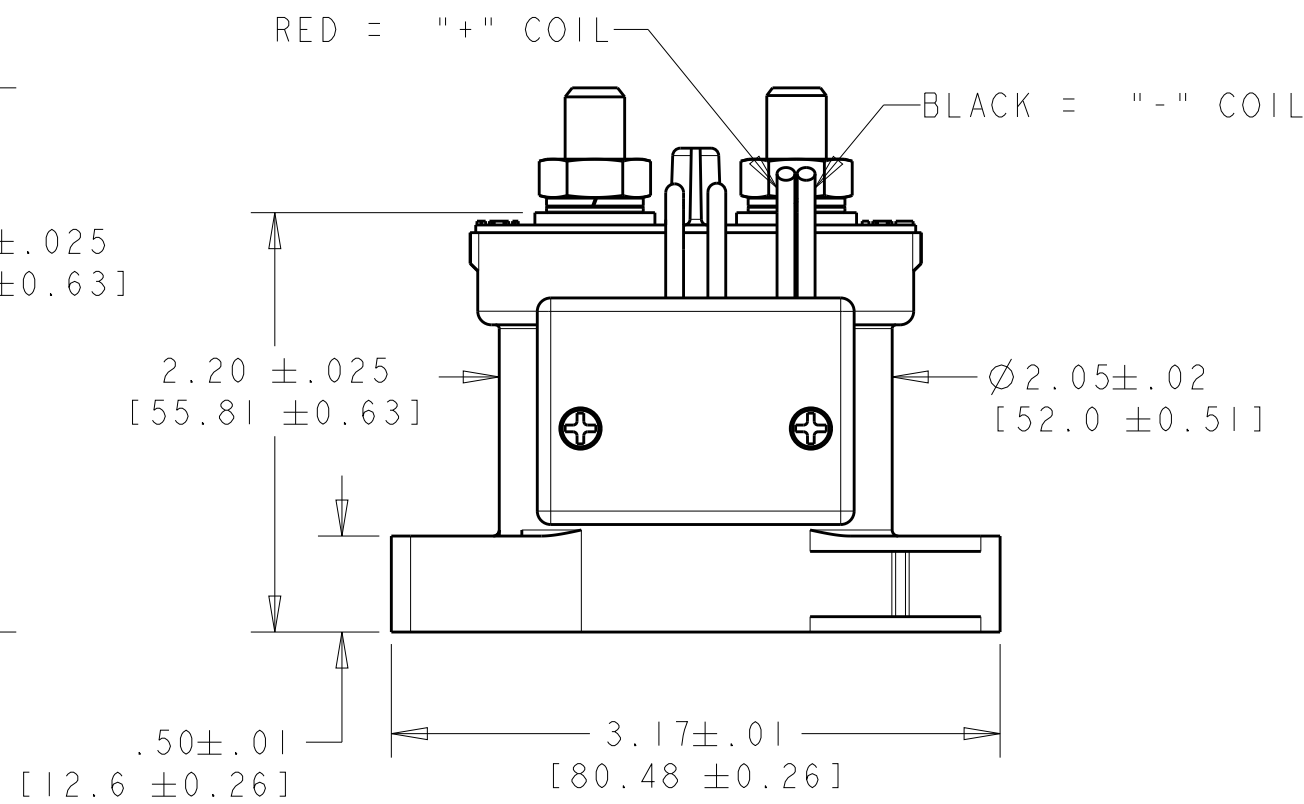
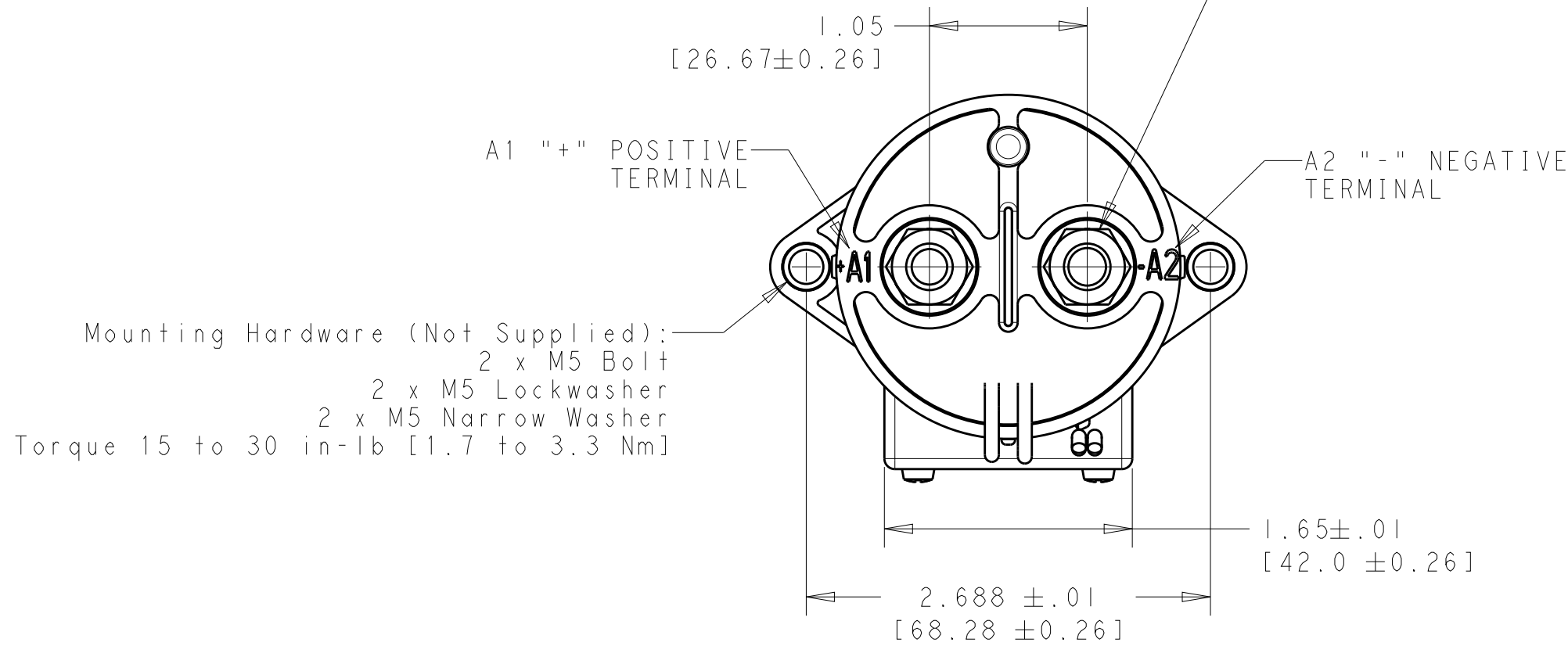
PARAMETERS	UNITS	VALUE FOR EV200 SERIES
Contact Arrangement: Power Contacts		I Form X (SPST-NO-DM)
Rated Operating Voltage	Vdc	100 - 900
(NOTE: Voltages between 450 to 900 Vdc are capable but load dependent and require TE Engineering approval)		
Continuous (Carry) Current, Typical	A	500 @ 65°C, 400 mcm 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]

COIL DATA	
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



M8 x 1.25 POWER TERMINALS
(Hardware Supplied):
2 x M8 Washer, Stainless
2 x M8 Lockwasher - Split Ring, Stainless
2 x M8 x 1.25 Nut, Stainless
Torque 80 to 100 in-lb [8.8 to 11 Nm]



- 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.

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN A. LEE 25MAY2010	TE Connectivity			
DIMENSIONS: INCHES		CHK A. LEE 25MAY2010				
		APVD A. LEE 25MAY2010	NAME RELAY, EVC500 SPST-NO 12V			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC	SIZE A200779			
0 PLC ±. 1 PLC ±. 2 PLC ±.01 3 PLC ±.005 4 PLC ±. ANGLES ±1°		APPLICATION SPEC	CAGE CODE C-2098190-1			
FINISH		WEIGHT	DRAWING NO 2098190-1			
-		-	RESTRICTED TO			
-		CUSTOMER DRAWING	SCALE 1:1			
			SHEET OF			
			REV D2			