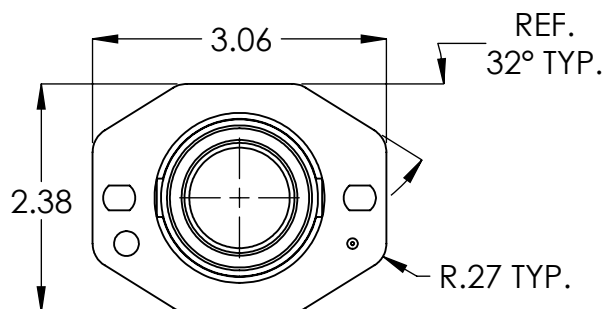
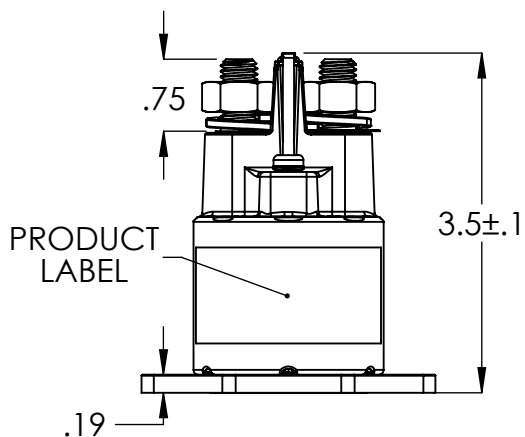
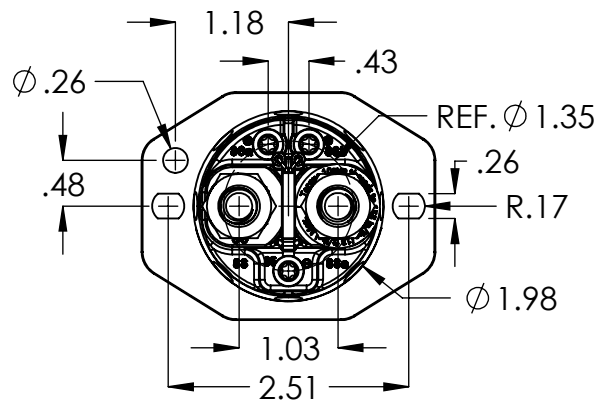
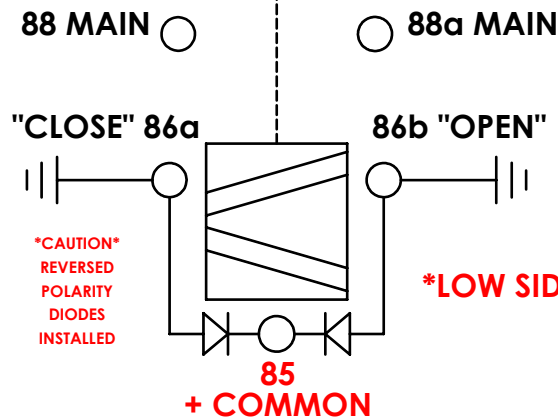


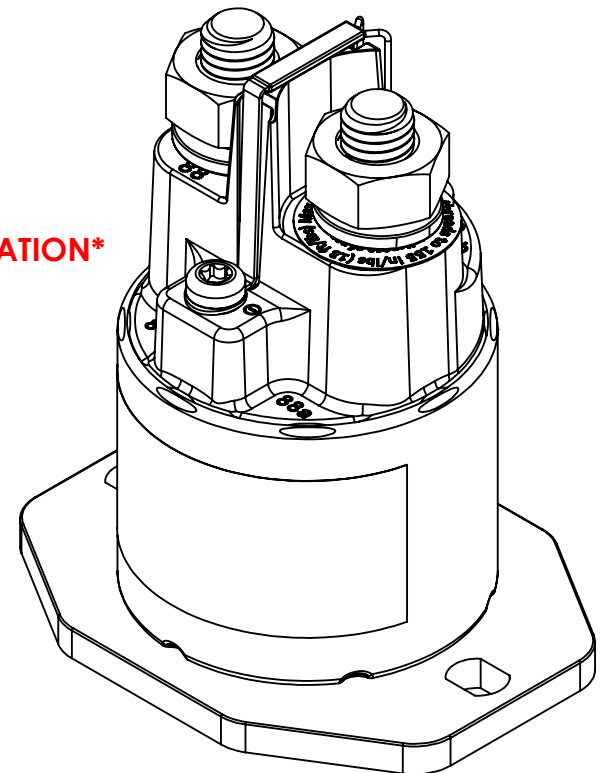
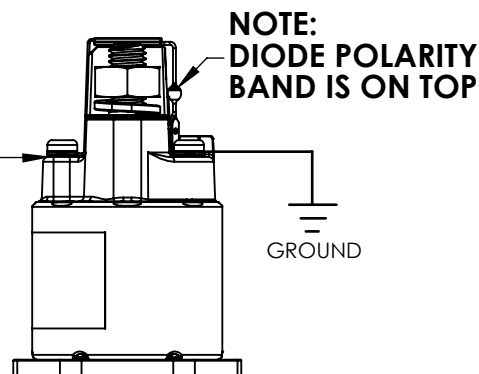


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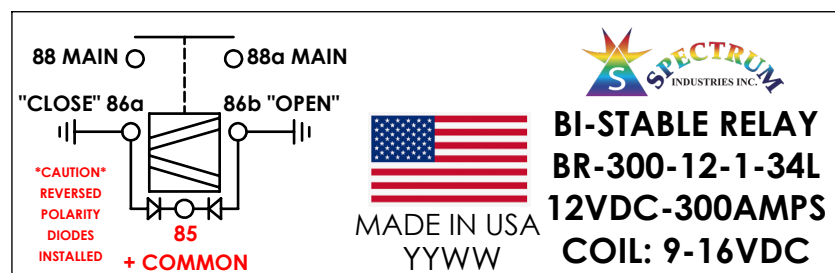


NOTE:
APPLICATION REQUIRES
+ TO BE APPLIED TO THIS
85 COMMON TERMINAL

LOW SIDE OPERATION



DETAIL SHOWN ACTUAL SIZE



PRODUCT LABEL

LOW SIDE OPERATION

	NAME	DATE
DRAWN	JRT	9-1-22
CHECKED		
ENG APPR.	RMF	9-1-22
MFG APPR.		
Q.A.		
DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL $\pm 1/32$ ANGULAR: MACH $\pm$ BEND $\pm$ TWO PLACE DECIMAL $\pm .010$ THREE PLACE DECIMAL $\pm .005$		

 461 BOSTON STREET - UNIT E6, TOPSFIELD, MA 01983 USA DO NOT SCALE DRAWING		
TITLE: BI-STABLE RELAY 12VDC-300AMPS 12VDC COIL REVERSE POLARITY DIODES		
BLANK WEIGHT:	-	PART WEIGHT: 1.1LBS
SIZE A	DWG. NO. BR-300-12-1-34L	REV. A
SHEET 1 OF 2		
SCALE: 1:2 FILENAME: BR-300-12-1-34L WEBSITE: WWW.SPECTRUMIND.COM		

Bi-Stable Relay Technical Data

Temperature range: -40 C to +85°C
 -40°F to +185°F
 Max. Altitude rating: 50,000 ft.
 Seal: IP67: IEC 60529
 Shock: 6g, 11ms, Saw Tooth
 Vibration: SAE J1455, Appendix A Cat. 2,
 4g - 10Hz-2000Hz

Electrical Characteristics

Min. Insulation Resistance: 100 MΩ
 Dielectric withstanding voltage: 1025 V / 1 min.
 Max. Contact drop, initial: 150 mV
 (CTQ <0.0009 VDC @ 24 VDC 1AMP, MAX)
 Duty rating, Continuous: 300 A

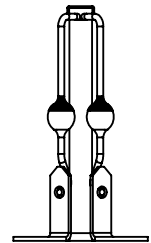
Rated Contact Load 12 VDC

Resistive load: 50,000 cycles 300 A
 Inductive load: 10,000 cycles 150 A
 Motor load: 50,000 cycles 300 A
 Bounce: ≤ 5 ms
 Break: ≤ 5 ms

Coil Data 12 VDC

Nominal voltage: 12 VDC
 Voltage range: 9-16 VDC
 (CTQ @ 7VDC)
 Pull "OPEN" coil resistance: 2.38 Ω, ± 10% 86b-85
 Pull "CLOSED" coil resistance: 1.92 Ω, ± 10% 86a-85
 Minimum Pulse Length: 100ms
 Maximum Pulse Length: 2.5 sec (single operation per minute)
 Max. operations per minute: 6 (Pulse < 0.4sec)

LOW SIDE OPERATION



NOTE:
 DIODE POLARITY IS
 REVERSED WHEN
 COMPARED TO RELAY
 TOOLED MARKINGS

SPECTRUM INDUSTRIES
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	NAME	DATE
DRAWN	JRT	9-1-22
CHECKED		
ENG APPR.	RMF	9-1-22
MFG APPR.		
Q.A.		

 461 BOSTON STREET - UNIT E6, TOPSFIELD, MA 01983 USA DO NOT SCALE DRAWING		
TITLE: BI-STABLE RELAY 12VDC-300AMPS 12VDC COIL REVERSE POLARITY DIODES		
SIZE A	DWG. NO. BR-300-12-1-34L	REV. A
SCALE: 1:1 FILENAME: BR-300-12-1-34L WEBSITE: WWW.SPECTRUMIND.COM		

DWG NO: BR-300-12-1-34L