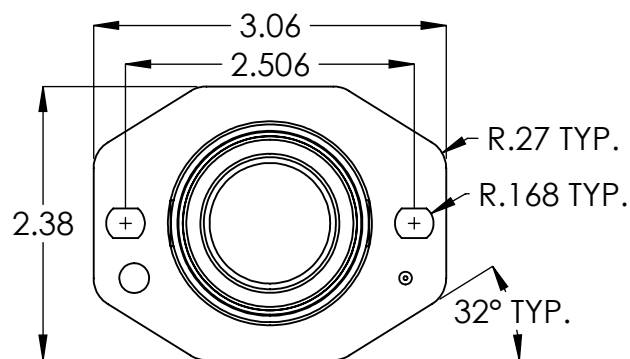
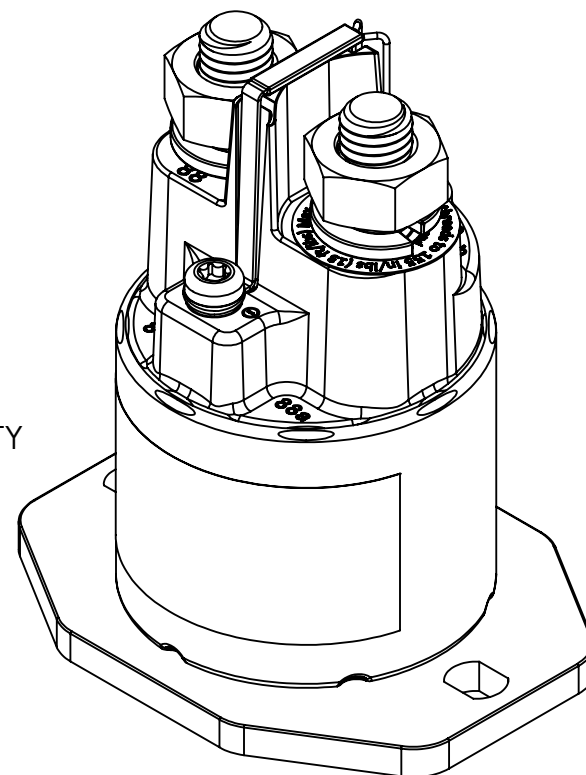
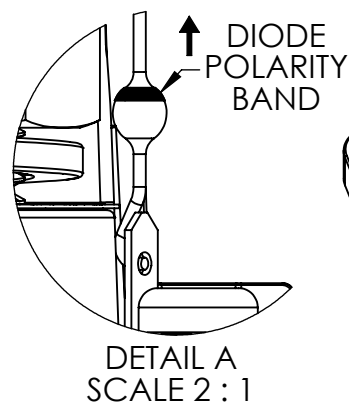
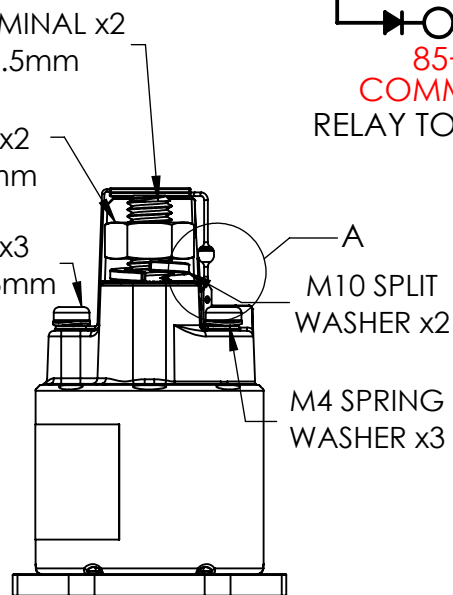
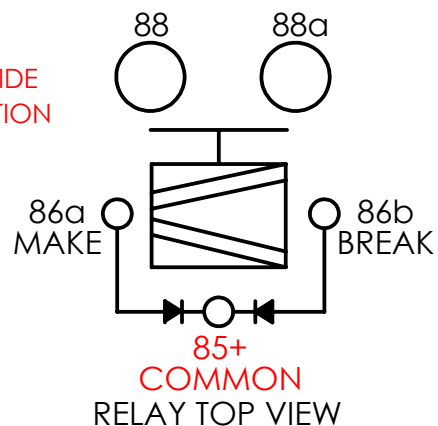




SPECTRUM INDUSTRIES
LOCAL: (978) 887-2020
WWW.SPECTRUMIND.COM

LOW SIDE OPERATION



DETAIL SHOWN
ACTUAL SIZE



PRODUCT LABEL

	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 24/28VDC-300AMPS COIL: 18-32VDC LOW SIDE OPERATION			
BLANK WEIGHT: -		PART WEIGHT: 1.1LBS	
SIZE A	DWG. NO. BR-300-24-1-34L	REV. A	
SHEET 1 OF 2			
SCALE: 1:2 FILENAME: BR-300-24-1-34L WEBSITE: WWW.SPECTRUMIND.COM			

Bi-Stable Relay Technical Data

DRAWING NUMBER		REV.
A	BR-300-24-1-34L	A
SHEET 2 OF 2		

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: 1050 V / 1 min.
Max. Contact drop, initial: 150 mV
(CTQ <0.0009VDC @ 24VDC 1AMP, MAX)
Duty rating, Continuous: 300 A

Rated Contact Load 24/28 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 24/28 VDC (low side operation)

Nominal voltage: 24 VDC
Voltage range: 18-32 VDC
(CTQ @ 14VDC)
Pull closed coil resistance: 7.30 Ω, ± 10% (85-86a)
Pull open coil resistance: 8.40 Ω, ± 10% (85-86b)
Minimum Pulse Length: 100ms
Maximum Pulse Length: 400ms
Max. operations per minute: 6 (Momentary Pulse)

Terminal Torque

Main Terminals: 155 In-Lbs.
Coil Terminals: 20 In-Lbs.

LOW SIDE OPERATION

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

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TITLE: BI-STABLE RELAY 24/28VDC-300AMPS COIL: 18-32VDC LOW SIDE OPERATION		
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DWG NO: BR-300-24-1-34L