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UPC BARCODE



308 COMPONENTS DRIVE, SMITHFIELD, NC 27577 USA

DO NOT SCALE DRAWING

TITLE: **BI-STABLE RELAY  
12VDC-200AMP  
W/HARDWARE & DIODES**

BLANK WEIGHT: - PART WEIGHT: 1.1 LBS

SIZE **A** DWG. NO. **BR-200-12-1-34** REV. **A**  
SHEET 1 OF 2

SCALE: 1:2 FILENAME: BR-200-12-1-34 WEBSITE

	NAME	DATE
DRAWN	JRT	9-25-19
CHECKED		
ENG APPR.	RMF	9-25-19
MFG APPR.		
Q.A.		

DIMENSIONS ARE IN INCHES  
TOLERANCES:  
FRACTIONAL ± 1/32  
ANGULAR: MACH ± BEND ±  
TWO PLACE DECIMAL ± .010  
THREE PLACE DECIMAL ± .005

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REV.	DESCRIPTION	DATE	APP'D	REV.	DESCRIPTION	DATE	APP'D
	REVISIONS				REVISIONS		

## 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: 200 A

## Rated Contact Load 12 VDC

Resistive load: 50,000 cycles 200 A  
 Inductive load: 10,000 cycles 100 A  
 Motor load: 50,000 cycles 200 A  
 Bounce: ≤ 5 ms  
 Break: ≤ 5 ms

## Coil Data 12 VDC

Nominal voltage: 12 VDC  
 Voltage range: 9-16 VDC  
 (CTQ @ 7VDC)  
 Pull closed coil resistance: 1.92 Ω, ± 10%  
 Pull open coil resistance: 2.38 Ω, ± 10%  
 \*Minimum Pulse Length: 100ms\*  
 \*Maximum Pulse Length: 400ms\*  
 \*Max. operations per minute: 6 (Momentary Pulse)\*

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