



UPC BARCODE



308 COMPONENTS DRIVE, SMITHFIELD, NC 27577 USA

DO NOT SCALE DRAWING

TITLE: **BI-STABLE RELAY
24/28VDC-200AMP
W/HARDWARE & DIODES**

BLANK WEIGHT: - PART WEIGHT: 1.1

SIZE **A** DWG. NO. **BR-200-24-1-34** REV. **B**
SHEET 1 OF 2

	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

PROPRIETARY AND CONFIDENTIAL

This document contains proprietary data for products designed by Shallco, Inc., of Smithfield, NC. No disclosure; reproduction, or use of any part thereof maybe made except by written permission.

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: 1050 V / 1 min.
 Max. Contact drop, initial: 150 mV
 (CTQ <0.0009 VDC @ 1AMP, MAX)
 Duty rating, Continuous: 200 A

Rated Contact Load 24/28 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 24/28 VDC

Nominal voltage: 24/28 VDC
 Voltage range: 18-32 VDC
 (CTQ @ 14VDC)
 Pull closed coil resistance: 7.3 Ω, ± 10%
 Pull open coil resistance: 8.4 Ω, ± 10%
 Minimum Pulse Length: 100ms
 Maximum Pulse Length: 400ms
 Max. operations per minute: 6 (Momentary Pulse)

PROPRIETARY AND CONFIDENTIAL

This document contains proprietary data for products designed by Shallco, Inc., of Smithfield, NC. No disclosure; reproduction, or use of any part thereof may be made except by written permission.

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



308 COMPONENTS DRIVE, SMITHFIELD, NC 27577 USA

DO NOT SCALE DRAWING

TITLE:

BI-STABLE RELAY
24/28VDC-200AMP
W/HARDWARE & DIODES