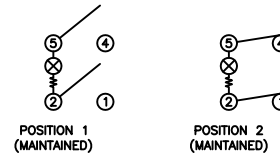


**SCHEMATIC**



**SPECIFICATIONS**

**FUNCTION:**  
2P1T OFF-ON

**RATINGS:**  
ANSI/UL 1054 and CAN/CSA C22.2 No. 55 (E194579):  
20A 125VAC [UR, cUR]  
16A 125VAC 1/4HP [cURus]  
16A 250VAC 1/4HP [cURus]  
6.9A 250VAC 3/4HP [cURus]

ANSI/UL 1054 (233821):  
16A 125VAC 1/4HP [CSAus]  
16A 250VAC 1/4HP [CSAus]

EN 61058-1:2002 and DIN/VDE 0630-1:2003-03 (40017928):  
16(8) 250V~ T125/55 1E4 [ENEC10, VDE]  
10(2) 250V~ T125/55 5E4 [ENEC10, VDE]  
16(4) 250V~ T125/55 1E4 [ENEC10, VDE]

**ILLUMINATION VOLTAGE:**  
125V

**CONTACT RESISTANCE:**  
Initial: 20mΩ Max.

**INSULATION RESISTANCE:**  
100MΩ Min. at 500VDC

**DIELECTRIC STRENGTH:**  
1,000VAC For 1 Minute

**ELECTRICAL LIFE:**  
6,000 Cycles [cURus, CSAus]  
10,000 Cycles [ENEC10, VDE: 16(8)A 250V~]  
50,000 Cycles [ENEC10, VDE: 10(2)A 250V~]

**TEMPERATURE:**  
-20°C to 65°C [cURus]  
-20°C to 125°C [ENEC10, VDE]



**COLORS AND MARKINGS**

**BODY:**  
Black

**ACTUATOR:**  
Transparent Red

**MARKING:**  
I/O Vertical (1)

**MARKING COLOR:**  
White

**MATERIALS**

**BODY:**  
Polyamide 6/6 (PA66), UL94 V-2

**ACTUATOR:**  
Polycarbonate (PC), UL94 V-2

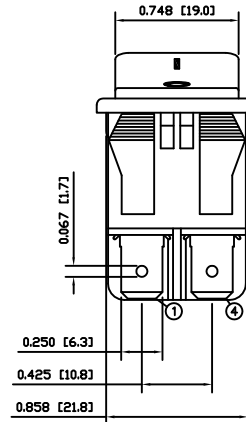
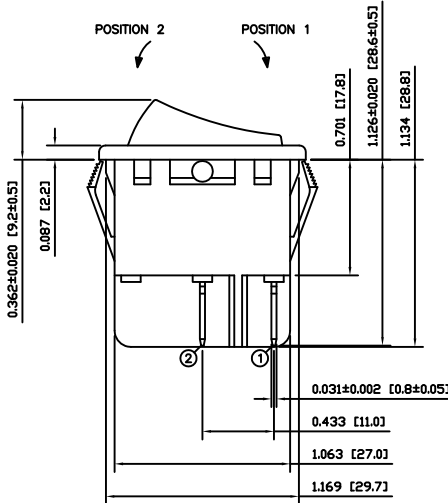
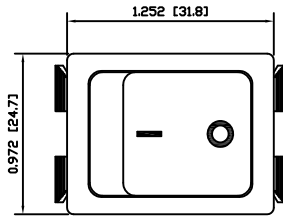
**LAMP CARRIER:**  
Polyamide 6/6 (PA66), UL94 V-2

**LAMP:**  
Neon Bulb

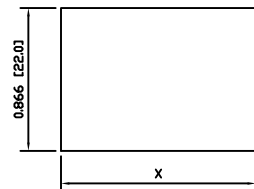
**SPRING:**  
Plano Wire

**CONTACTS:**  
Silver Alloy

**TERMINALS:**  
Silver Plated Copper  
Silver Plated Brass



**SUGGESTED PANEL CUTOUT**



PANEL THICKNESS	X
0.030~0.049 [0.75~1.25]	1.181 [30.0]
0.049~0.079 [1.25~2.00]	1.189 [30.2]
0.079~0.118 [2.00~3.00]	1.200 [30.5]

ACTUATOR	A	09/07/02	CAB
BODY	A	09/07/02	CAB
COLORS	A	09/07/02	CAB
MATERIALS	A	09/07/02	CAB
SPECIFICATIONS	A	09/07/02	CAB
REFERENCE	REV.	DATE	BY

THE INFORMATION CONTAINED IN THIS DOCUMENT IS PROPRIETARY TO E-SWITCH AND IS NOT TO BE COPIED OR TRANSFERRED

A	INITIAL RELEASE	19879	11/02/14	CAB
REV.	DESCRIPTION	PCR	DATE	DRAWN BY

DIMENSIONS	
INCHES [MILLIMETERS]	
GENERAL TOLERANCES	
±0.008 [±0.2] / ±1'	
SCALE	PROJECTION
DRAWING NOT TO SCALE	1st Angle

**E-SWITCH** **LAMB INDUSTRIES**

**TITLE**  
RB242D1021-116

**ITEM NUMBER**  
14-RB242D1021116

**DATE**  
FEBRUARY 14, 2011

**REVISION**  
A