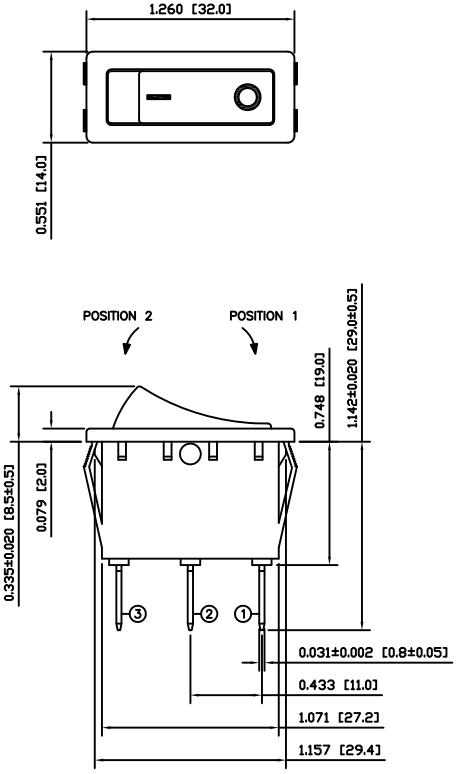
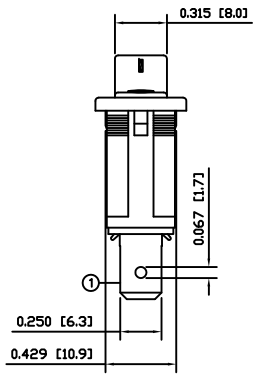
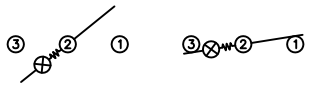
SHEET 1 OF 1




## SCHEMATIC



POSITION 1 (MAINTAINED)

POSITION 2 (MAINTAINED)

## SPECIFICATIONS

FUNCTION:
1P1T OFF-ON

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

ANSI/UL 1054 (233821):
16A 250VAC [CSAus]
3/4HP 125/250VAC [CSAus]

EN 61058-1:2002 and DIN/VDE 0630:2003-03 (40017926):
16(4)A 250V~ 1E4 μ T85/55 [ENEC10, VDE]
10(2)A 250V~ 5E4 μ T85/55 [ENEC10, VDE]
20(8)A 250V~ 1E4 μ T125/55 [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(4)A 250V~]
50,000 Cycles [ENEC10, VDE: 10(2)A 250V~]

TEMPERATURE:
Operating: -20°C to 65°C [cURus, CSAus]
Operating: -20°C to 125°C [ENEC10, VDE]
Operating: -20°C to 85°C [ENEC10, VDE]

APPROVALS:

RoHS COMPLIANT

## COLORS AND MARKINGS

BODY:
Black

ACTUATOR:
Transparent Red

MARKINGS:
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

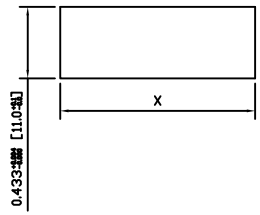
LAMP SPRING:
Steel

SPRING:
Steel

CONTACTS:
Silver Plated Copper

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] | 1.201 [30.5] |

| | | | |
|---|---|---|---|
| ACTUATOR | A | 09/06/26 | CAB |
| BODY | A | 09/06/26 | CAB |
| COLORS | A | 09/06/26 | CAB |
| MATERIALS | A | 09/06/26 | CAB |
| SPECIFICATIONS | A | 09/06/26 | CAB |
| REFERANCE | REV. | DATE | BY |

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

| REV. | DESCRIPTION | PCR | DATE | DRAWN BY |
|---|---|---|---|---|
| A | INITIAL RELEASE | 19315 | 10/09/22 | CAB |

DIMENSIONS: INCHES [MILLIMETERS]
GENERAL TOLERANCES: ±0.008 [±0.2] / ±1°
SCALE: DRAWING NOT TO SCALE
PROJECTION:

E-SWITCH | LAMB INDUSTRIES

TITLE: RB141D1021-116
ITEM NUMBER: 14-RB141D1021116
DATE: SEPTEMBER 22, 2010
REVISION: A