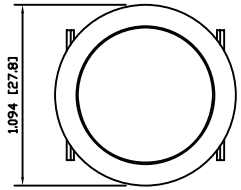
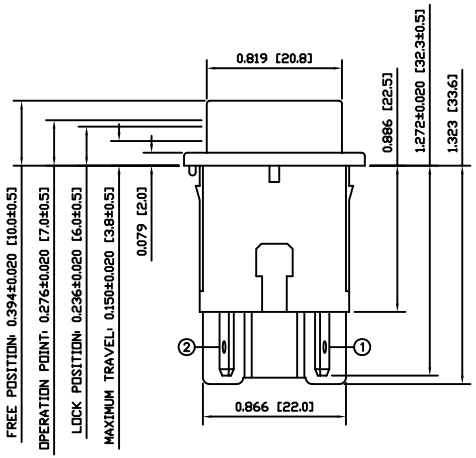
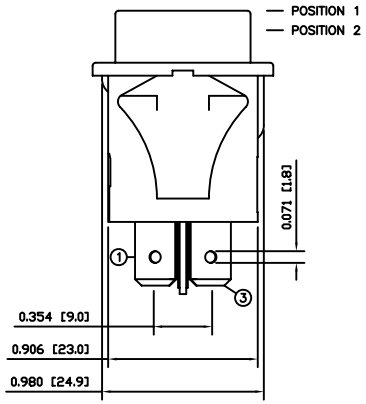
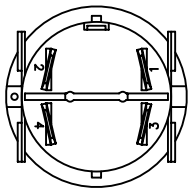
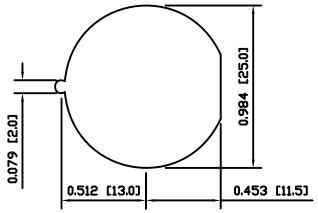


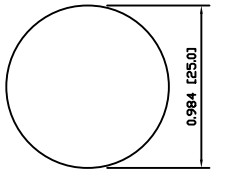



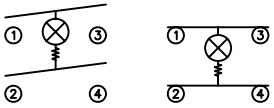

SUGGESTED PANEL CUTOUT




ALTERNATE PANEL CUTOUT




## SCHEMATIC




POSITION 1 (MAINTAINED) POSITION 2 (MAINTAINED)

## SPECIFICATIONS

FUNCTION:
2P1T OFF–ON

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

EN 61058–1:2002:
16(6)A 250V~ 1E4 T125/55 [ENEC14, SEMKO]
10(4)A 250V~ 5E4 T125/55 [ENEC14, SEMKO]

ILLUMINATION VOLTAGE:
250V

CONTACT RESISTANCE:
Initial: 35mΩ Max. at 50VAC

INSULATION RESISTANCE:
100MΩ Min. at 500VDC

DIELECTRIC STRENGTH:
1,500VAC For 1 Minute

ELECTRICAL LIFE:
6,000 Cycles [UR, cUR]
10,000 Cycles [ENEC14, SEMKO]
50,000 Cycles [ENEC14, SEMKO]

TEMPERATURE:
Operating: –20°C to 105°C [UR, cUR]
Operating: –20°C to 125°C [ENEC14, SEMKO]

APPROVALS:

RoHS COMPLIANT

## COLORS AND MARKINGS

BODY:
Black

ACTUATOR:
Transparent Blue
Glossy Finish

MARKINGS:
None

MARKING COLOR:
None

## MATERIALS

BODY:
Polyamide 6/6 (PA66), UL94 V–2

ACTUATOR:
Polycarbonate (PC), UL94 V–2

CONTACT CARRIER:
Polyamide 6/6 (PA66), UL94 V–2

LAMP:
Neon Bulb

RESISTOR:
Carbon Film Resistor

SPRINGS:
Steel

MOBILE CONTACT:
Silver Plated Copper

CONTACTS:
Silver Plated Copper

TERMINALS:
Silver Plated Copper

| REFERANCE | REV. | DATE | BY |
|---|---|---|---|
| BODY | A | 09/08/07 | CAB |
| COLORS | A | 09/08/07 | CAB |
| MATERIALS | A | 09/08/07 | CAB |
| SPECIFICATIONS | B | 10/05/25 | CAB |

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 | 20622 | 05/29/2012 | rc |

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

E•SWITCH® LAMB INDUSTRIES

TITLE: PR142C1000–147

ITEM NUMBER: 38–PR142C1000147
DATE: May 29 2012
REVISION: A