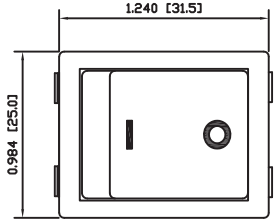
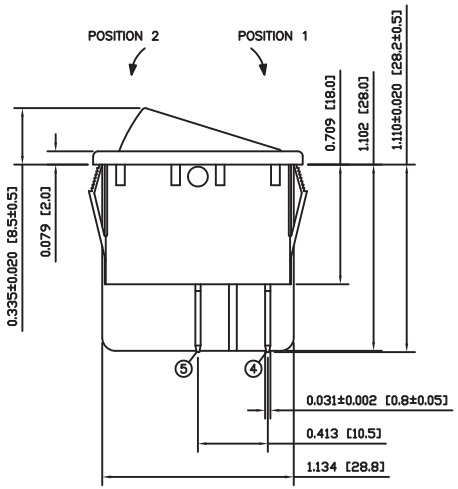
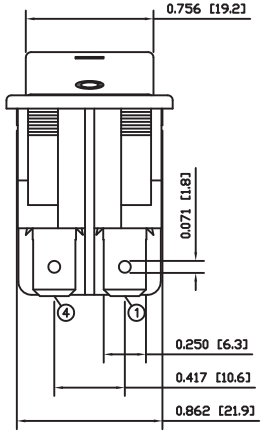
SHEET 1 OF 1







SCHEMATIC

SPECIFICATIONS

FUNCTION:
2P1T OFF-ON

RATINGS:
ANSI/UL 1054 and CAN/CSA C22.2 No. 55 (E194579):
16A 125VAC [cURus]
8A 250VAC [cURus]

ILLUMINATION VOLTAGE:
250V

CONTACT RESISTANCE:
Initial: 35mΩ Max. at 500VAC

INSULATION RESISTANCE:
100MΩ Min. at 500VDC

DIELECTRIC STRENGTH:
1,500VAC For 1 Minute

ELECTRICAL LIFE:
6,000 Cycles [cURus]

TEMPERATURE:
-20°C to 85°C [cURus]

APPROVALS:

COLORS AND MARKINGS

BODY:
Black

ACTUATOR:
Transparent Blue

MARKING:
I/O Horizontal (R)

MARKING COLOR:
White

MATERIALS

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

ACTUATOR:
Polycarbonate (PC) UL94 V-2

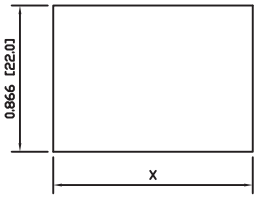
SPRING:
Piano Wire

LAMP:
Neon Bulb

CONTACTS:
Silver Alloy Clad 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]	1.200 [30.5]

OBJECT ID: 000001484

REFERANCE	REV.	DATE	BY
ACTUATOR	A	09/09/09	CAB
BODY	A	09/08/26	CAB
COLORS	A	09/08/26	CAB
MATERIALS	A	09/09/09	CAB
SPECIFICATIONS	C	11/05/04	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
E	REMOVE VDE/ENEC RATING AND LOGO	100598	12/02/2021	JS
D	REMOVED SEMKO RATING	23434	07/05/18	MJR
C	CHANGED VDE APPROVAL TO SEMKO APPROVAL	19892	11/05/04	CAB
B	CORRECTED BULB TYPE	PCR00241	09/12/09	CAB
A	INITIAL RELEASE	PCR00150	09/10/08	CAB

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

E•SWITCH® | LAMB INDUSTRIES™

TITLE: RB2F42C102R-147
ITEM NUMBER: 38-RB2F42C102R147
DATE: MAY 4, 2011
REVISION: E