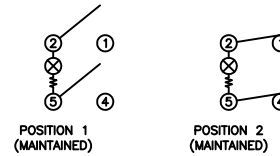


SCHMATIC



SPECIFICATIONS

**FUNCTION:**  
2P1T OFF-ON

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

EN 61058-1:2002+A2 (SE/09138-1):  
16(4)A 250V~ 1E4 T125/55 [ENEC14, SEMKO]  
16(8)A 250V~ 1E4 T125/55 [ENEC14, SEMKO]

**ILLUMINATION VOLTAGE:**  
250V

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

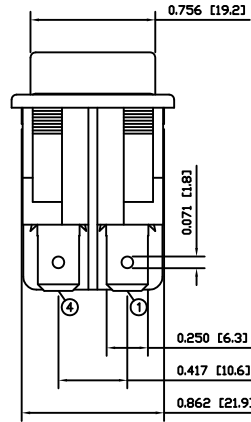
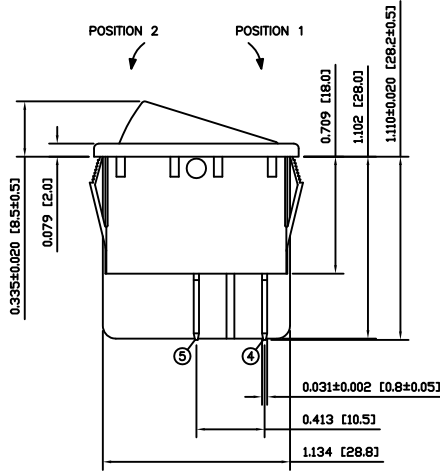
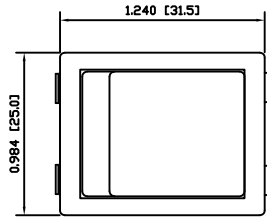
**INSULATION RESISTANCE:**  
100MΩ Min. at 500VDC

**DIELECTRIC STRENGTH:**  
1,500VAC For 1 Minute

**ELECTRICAL LIFE:**  
6,000 Cycles [cURus]  
10,000 Cycles [ENEC14, SEMKO]

**TEMPERATURE:**  
-20°C to 85°C [cURus]  
-20°C to 125°C [ENEC14, SEMKO]

**APPROVALS:**



COLORS AND MARKINGS

**BODY:**  
Black

**ACTUATOR:**  
Transparent Blue

**MARKING:**  
None

**MARKING COLOR:**  
None

MATERIALS

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

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

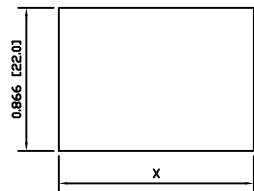
**SPRING:**  
Plano Wire

**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]

ACTUATOR	A	09/09/09	CAB
BODY	A	09/08/26	CAB
COLORS	A	10/08/24	CAB
MATERIALS	A	09/09/09	CAB
SPECIFICATIONS	B	11/05/04	CAB
REFERENCE	REV.	DATE	BY

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

B	CHANGED VDE APPROVAL TO SEMKO APPROVAL	19892	11/05/04	CAB
A <td>INITIAL RELEASE</td> <td>19269</td> <td>10/08/25</td> <td>CAB</td>	INITIAL RELEASE	19269	10/08/25	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

TITLE		
RB2F42C1000-147		
ITEM NUMBER	DATE	REVISION
38-RB2F42C1000147	MAY 4, 2011	B