

A

B

C

D

A

B

C

D

SCHEMATIC



SPECIFICATIONS

FUNCTION:  
1P1T OFF-(ON)

RATINGS:  
ANSI/UL 1054 and CAN/CSA C22.2 No. 55 (E194579):  
10A 125VAC [UR, cUR]

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]

TEMPERATURE:  
Operating: -20°C to 105°C [UR, cUR]

APPROVALS:



COLORS AND MARKINGS

BODY:  
Black

ACTUATOR:  
Black

MARKINGS:  
None

MARKING COLOR:  
None

MATERIALS

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

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

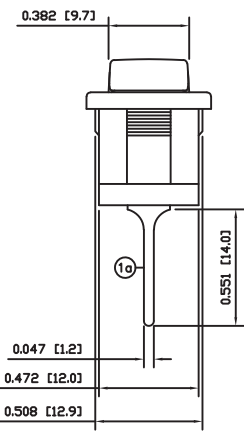
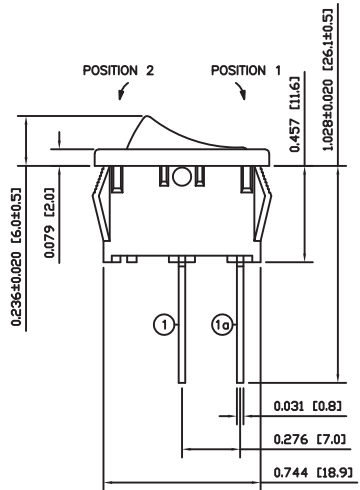
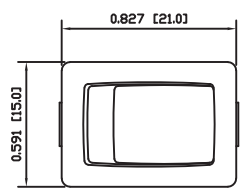
SPRING:  
Steel

BALL:  
Steel

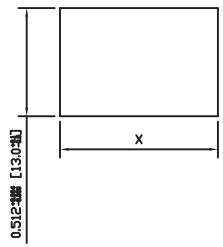
MOBILE CONTACT:  
Silver Alloy

CONTACTS:  
Silver Alloy

TERMINALS:  
Silver Plated Copper



SUGGESTED PANEL CUTOUT



| PANEL THICKNESS         | X            |
|-------------------------|--------------|
| 0.030~0.049 [0.75~1.25] | 0.756 [19.2] |
| 0.049~0.079 [1.25~2.00] | 0.764 [19.4] |
| 0.079~0.118 [2.00~3.00] | 0.772 [19.6] |

|                |      |          |     |
|----------------|------|----------|-----|
| ACTUATOR       | A    | 09/05/04 | CAB |
| BODY           | A    | 09/05/04 | CAB |
| COLORS         | A    | 09/05/04 | CAB |
| MATERIALS      | A    | 09/05/04 | CAB |
| SPECIFICATIONS | B    | 09/08/13 | CAB |
| REFERENCE      | REV. | DATE     | BY  |

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|      |                                 |        |            |          |
|------|---------------------------------|--------|------------|----------|
| C    | REMOVE VDE/ENEC RATING AND LOGO | 100450 | 01/07/2022 | JS       |
| B    | REMOVED SEMKO RATING            | 23426  | 06/26/18   | MJR      |
| A    | INITIAL RELEASE                 | 18934  | 10/03/10   | CAB      |
| REV. | DESCRIPTION                     | PCR    | DATE       | DRAWN BY |

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

OBJECT ID: 000001419

E-SWITCH<sup>®</sup>

TITLE  
RA1A14431100

ITEM NUMBER  
38-RA1A14431100

DATE  
MARCH 10, 2010

REVISION  
C