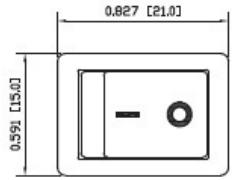
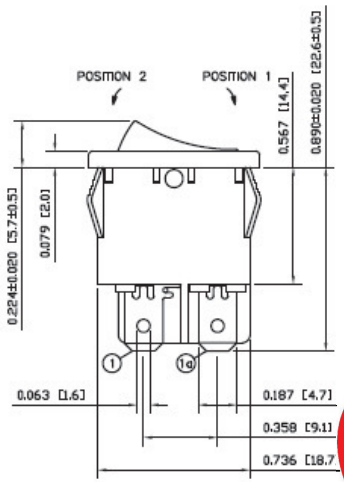
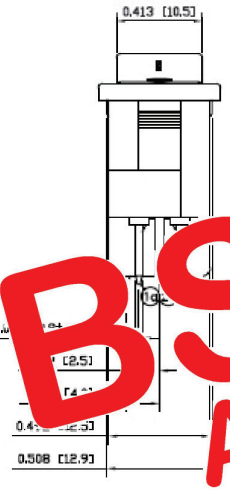
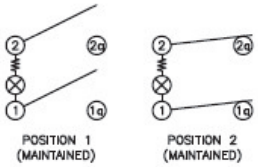
SHEET 1 OF 1







SCHEMATIC



SPECIFICATIONS

FUNCTION:
2P1T OFF–ON

RATINGS:
ANSI/UL 1054 and CAN/CSA C22.2 No. 55 (E194579):
16A 125VAC [UR, cUR]
10A 250VAC [UR, cUR]
1/3HP 125/250VAC [UR, cUR]

EN 61058–1:2002:
10(4)A 250V~ μ 1E4 T125/55 [ENEC14, SEMKO]
10(2)A 250V~ μ 5E4 T85/55 [ENEC14, SEMKO]

ILLUMINATION VOLTAGE:
125V

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: 10(4)A 250V~]
50,000 Cycles [ENEC14, SEMKO: 10(2)A 250V~]

TEMPERATURE:
Operating: –20°C to 105°C [UR, cUR]
Operating: –20°C to 125°C [ENEC14, SEMKO: 10(4)A 250V~]
Operating: –20°C to 85°C [ENEC14, SEMKO: 10(2)A 250V~]

APPROVALS:
RoHS COMPLIANT

OBSOLETE
April 2018
PCR 23332

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:
Neon Bulb

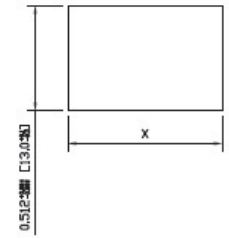
RESISTOR:
Carbon Film Resistor

MOBILE CONTACT:
Silver Plated Copper

CONTACTS:
Silver Alloy

TERMINALS:
Silver Plated Copper
Silver Plated Brass

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]

REFERANCE	REV.	DATE	BY
ACTUATOR	A	09/07/30	CAB
BODY	A	09/07/30	CAB
COLORS	A	10/03/25	CAB
MATERIALS	A	09/07/30	CAB
SPECIFICATIONS	A	09/07/30	CAB

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REV.	DESCRIPTION	PCR	DATE	DRAWN BY
A	INITIAL RELEASE	19272	10/08/25	CAB

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

E•SWITCH® | LAMB® INDUSTRIES

TITLE: RA812C1021–116

ITEM NUMBER	DATE	REVISION
38–RA812C1021116	AUGUST 25, 2010	A