

**SCHEMATIC**

**SPECIFICATIONS**

**FUNCTION:** 2P1T OFF-ON  
**RATINGS:**  
 ANSI/UL 1054 and CAN/CSA C22.2 No. 55 (E194579):  
 20A 125VAC [UR-clB]  
 18A 125VAC 1/4HP [cURus]  
 16A 250VAC 1/4HP [cURus]  
 6.9A 250VAC 3/4HP [cURus]  
 ANSI/UL 1054 (233821):  
 16A 125VAC 1/4HP [CSAus]  
 16A 250VAC 1/4HP [CSAus]  
 EN 61058-1:2002 and DIN/VDE 0830-1:2003-03 (40017928):  
 16(A) 250V~ T12S/5S 1E4 [ENEC10, VDE]  
 10(A) 250V~ T12S/5S 1E4 [ENEC10, VDE]  
 16(A) 250V~ T12S/5S 1E4 [ENEC10, VDE]  
**ILLUMINATION VOLTAGE:** 125V

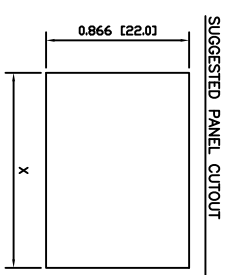
**CONTACT RESISTANCE:** Inrush: 20mΩ Max.  
**INSULATION RESISTANCE:** 100MΩ Min. at 500VDC  
**DIELECTRIC STRENGTH:** 1,000VAC for 1 Minute  
**ELECTRICAL LIFE:** 6,000 Cycles [cURus, CSAus] 10,000 Cycles [ENEC10, VDE] 50,000 Cycles [ENEC10, VDE: 10(2)A 250V~]  
**TEMPERATURE:** -20°C to 65°C [cURus] -20°C to 125°C [ENEC10, VDE]  
**APPROVALS:** **ROHS COMPLIANT**

**COLORS AND MARKINGS**

**BODY:** Black  
**ACTUATOR:** Transparent Red  
**MARKING:** None  
**MARKING COLOR:** None  
**FRAME:** Black

**MATERIALS**

**BODY:** Polyamide 6/6 (PA66), UL94 V-2  
**ACTUATOR:** Polycarbonate (PC), UL94 V-2  
**LAMP CARRIER:** Polyamide 6/6 (PA66), UL94 V-2  
**LAMP:** Neon Bulb  
**SPRING:** Piano Wire  
**CONTACTS:** Silver Alloy  
**TERMINALS:** Silver Plated Copper, Silver Plated Brass  
**CAP:** Polyvinyl Chloride (PVC)  
**FRAME:** Polyamide 6/6 (PA66), UL94 V-2



PANEL THICKNESS		X
0.030~0.049 [0.75~1.25]	1.189 [30.2]	
0.048~0.078 [1.25~2.00]	1.200 [30.5]	

ACTUATOR	A	09/07/02	CAB
BODY	A <td>09/07/08 <td>CAB</td> </td>	09/07/08 <td>CAB</td>	CAB
COLORS	A <td>09/07/08 <td>CAB</td> </td>	09/07/08 <td>CAB</td>	CAB
MATERIALS	A <td>09/07/08 <td>CAB</td> </td>	09/07/08 <td>CAB</td>	CAB
SPECIFICATIONS	A <td>09/07/02 <td>CAB</td> </td>	09/07/02 <td>CAB</td>	CAB
REFERENCE	REV. <td>DATE <td>BY</td> </td>	DATE <td>BY</td>	BY

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UPDATE DESCRIPTION	30355	12/21/11	BMA
INITIAL RELEASE	11893 <td>10/02/22 <td>CAB</td> </td>	10/02/22 <td>CAB</td>	CAB
DESCRIPTION	FOR <td>DATE <td>DRAWN BY </td></td>	DATE <td>DRAWN BY </td>	DRAWN BY

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**DIMENSIONS**  
 INCHES [MILLIMETERS]  
 GENERAL TOLERANCES ±0.008 [±0.2] / ±1'  
 PROJECTION

**E-SWITCH** **LAMB INDUSTRIES**

RB242D1000-116ACCFO21

DATE: FEBRUARY 22, 2010

REVISION: B