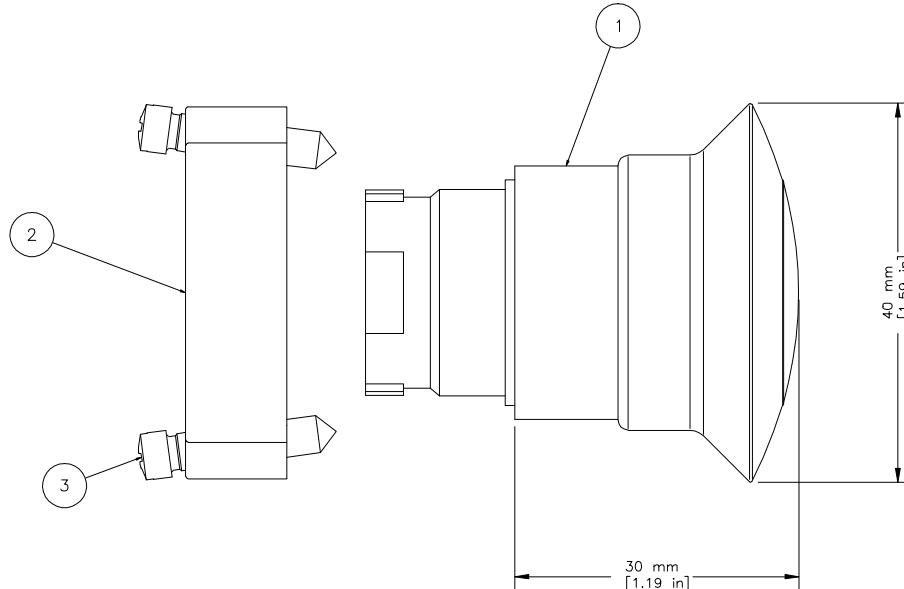
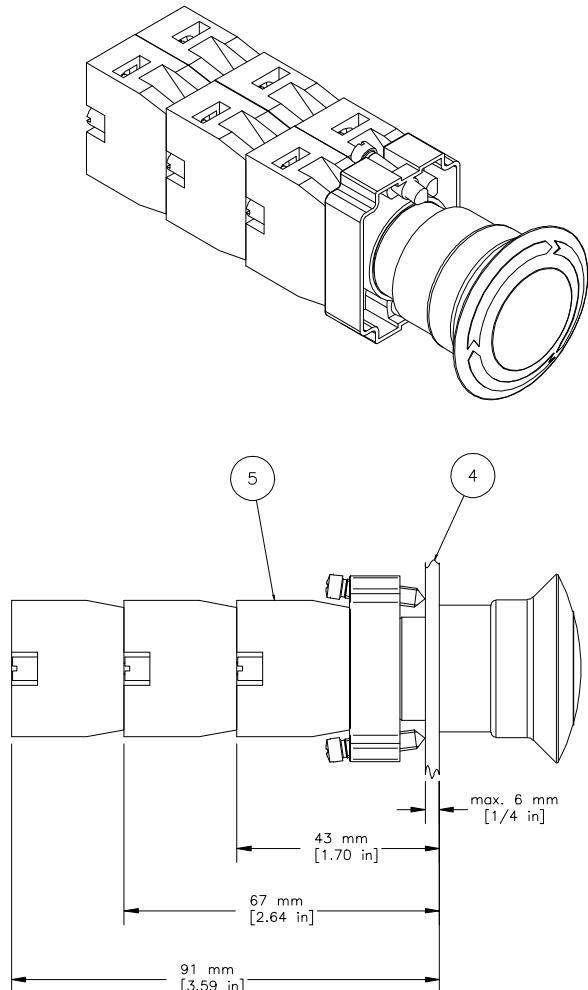


## REVISIONS FOR DWG # 1PB-2AMx

REV	CH.NO.	DESCRIPTION	DATE	REVISED BY
-	-	ORIGINAL DESIGN	09/14/07	Phil E.



ITEM	DESCRIPTION	CAT. NO.	COLOR	MIN. QTY.	MAX. QTY.
1	Mushroom Push-Turn Operator (comes with mounting bracket 2BRK)	2AML1	White	1	1
		2AML2	Black	1	1
		2AML3	Green	1	1
		2AML4	Red	1	1
		2AML6	Blue	1	1
		2AML8	Yellow	1	1
2	Mounting Bracket	2BRLK	-	1	1
3	Mounting Bracket Screws	incl. in 2BRK	-	2	2
4	Panel	-	-	-	-
5	Switch Contacts	S1	Green	1	6
		S2	Red	1	6
		S3	Green/Gray	1	6
		S4	Red/Gray	1	6

UNLESS OTHERWISE SPECIFIED

- ALL DIMENSIONS ARE IN MILLIMETERS
- THIRD ANGLE PROJECTION

This Drawing is the property of

**Alttech Corp®**

• TOLERANCE	XX	XX.X	XX.XX	ALL
	± 1mm	± 0.5mm	± 0.2mm	- mm

35 Royal Road  
Flemington NJ 08822-6000  
(908) 806-9400 • Fax (908) 806-9490

METRIC

AND IS A CONFIDENTIAL DISCLOSURE  
LAW WITHOUT CONSIDERATION OTHER  
THAN THE BORROWER'S AGREEMENT  
THAT IT SHALL NOT BE REPRODUCED,  
COPIED, LENT, OR DISPOSED OF  
DIRECTLY OR INDIRECTLY NOR USED  
FOR ANY PURPOSE OTHER THAN THAT  
FOR WHICH IT IS SPECIFICALLY  
FURNISHED.TITLE: 22 mm Non-Illuminated Mushroom Momentary  
Metal Operator 2AMx (x=color)

DRAWN BY: Philipp Ernstberger	09/14/07	DRAWING NO.: 1PB-2AMx	REV.: —
CHECKED BY: Laszlo Gyorgyfal	09/14/07		
RELEASED BY: Laszlo Gyorgyfal	09/14/07	SCALE: —	SHEET: 1 OF: 1

## 22mm Specifications

### Electrical and Mechanical Characteristics

Standard conformity:	IEC 60947-5-1
Approvals:	VDE0660 CSA - C22.2 No. 14-95 UL508 IEC 947 - 5 (1) 1990, IS 13947 ASTA UK certified as per IEC 947 - 5 - (1) 1990
Degree of protection:	IP 65 as per IEC 529 NEMA Type 4X, 12 as per UL50
Temperature Range:	- 25°C to + 70°C (-13°F to +158°F)

### Contact Block

Rated insulation voltage:	500V
Rated thermal current:	10A
Contact operation:	self-wiping, slow break NO or NC
Make and break capacity as per IEC 947 - 5 - (1) 1990:	AC 15 4A, 415V AC DC 13 0.5A, 110V DC
As per CSA - C22.2 No. 14-95, UL508:	A600 Q600 (pilot Duty)
Terminal capacity:	minimum 1 x 0.5 mm <sup>2</sup> (20 AWG) maximum 2 x 1.5 <sup>2</sup> mm <sup>2</sup> (2x16 AWG) or 1 x 2.5 mm <sup>2</sup> (1x14 AWG)
Terminal marking:	1-2 for NC, 3-4 for NO
Short circuit protection:	10A cartridge fuse HRC type, rated for resistive loading
Mechanical life:	Over 1 million operations

Electric rating (for 1 million operation cycles,  
operation at 3600 cycles per hour, load factor 0.5)

**AC 15** 
$$\frac{V}{A} \begin{matrix} 24 \\ 4 \end{matrix} \begin{matrix} 120 \\ 3 \end{matrix} \begin{matrix} 230 \\ 2 \end{matrix}$$

**DC 13** 
$$\frac{V}{A} \begin{matrix} 24 \\ 0.5 \end{matrix} \begin{matrix} 110 \\ 0.2 \end{matrix}$$

### Modules for Pilot Lights & Illuminated Switches with LED Bulbs

Current consumption (applicable to all colors)

24 VAC/DC, 100 VAC & 240 VAC:	max. 20 mA
110 VDC:	max. 15 mA
220 VDC:	max. 10 mA
Service life (at nominal voltage and at ambient temperature of 25°C):	100,000 hours
Voltage limits (nominal voltage):	<20% of rated voltage>
Short circuit protection:	on specific request
Terminal capacity:	min. 1 x 0.5 mm <sup>2</sup> (20 AWG), max. 2 x 1.5 mm <sup>2</sup> (2x16 AWG) or 1 x 2.5 mm <sup>2</sup> (1x14 AWG)