

HA1B/HA1E E-Stop

Miniature Switches and Pilot Devices: 5/8" (16mm)

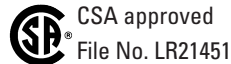
Key features of HA1B/HA1E Push lock Turn Reset include:

- PCB or Solder Terminals
- Quick Release Contact Blocks
- Positive Action Contacts
- 1 or 2 form B (SPST-NC) Contacts
- IP65 Protection
- 16mm Mounting Hole
- Tamper Proof Construction



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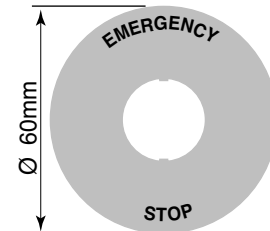
Switches & Pilot Devices



Specifications	Contact Ratings	24VDC/2A 120VAC/3A	
	Contact Form	1 or 2 form B (2-SPST-NC)	
	Termination	PCB or Solder Terminal	
	Contact Material	Silver	
	Applicable Standards	EN60947-5-1, UL-508, CSA 22.2. No. 14	
	Rated Insulation Voltage	250V	
	Degree of Protection	IP65, when mounted in an enclosure	
	Conditional Short-Circuit Current & Short-Circuit Protective Device	50 A (at 250V) 10A 250V Fuse, operation class aM according to IEC269-1 and IEC269-2	
	Positive Opening Operation	Positive opening travel	3.4mm
		Minimum force required to achieve positive opening operation of all break contacts.	10.3 N (2 form B contacts)
Maximum travel including travel beyond the minimum travel position		5.5mm	
Maximum frequency of actuation		1,200 operations/hour	
Pollution Degree	3		

Part Numbers: Nameplates

HAAV-Yellow Plastic



	Part Number
Blank	HAAV-0
Engraved Emergency Stop	HAAV-27

Part Numbers: Positive Action E-Stop

	Appearance	Operation	Contact	Terminal Style	
				Solder Tab	PCB
E-Stop		Pushlock/ Turn Reset	DPST(NC) (2 form B)	HA1B-V2E2R	HA1B-V2E2VR
			Short Body SPST-NC (1 form B) DPST-NC (2 form B)	HA1E-V2S1R HA1E-V2S2R	-

Button is non-removable, available in red and as complete assembled unit only.

Part Number: Buzzers (IP40)

	Appearance	Operating Voltage	Terminal Style	
			Solder/Tab	PCB
Buzzer-Rectangular		6V AC/DC ± 10%	LA3Z-1X2	LA3Z-1X2V
		12V to 24 AC/DC ± 10%	LA3Z-1X4	LA3Z-1X4V

Frequency: 2kHz ± 500 Hz
Amplitude: 80db at 0.1m
Beeping: Adjustable from steady tone to 600 beeps per minute.

Pilot Lights (Assembled)

A2 Switches & Pilot Devices

Part Numbers: Pilot Lights (LED)

Style	Voltage	Terminal Style	
		Solder Tab	PCB
Round 	24V AC/DC LED 24VAC/DC Incandescent	LA1P-1C04-② LA1P-1C07-②	LA1P-1C04V-② LA1P-1C07V-②
Square 	24V AC/DC LED 24V AC/DC Incandescent	LA2P-1C04-② LA2P-1C07-②	LA2P-1C04V-② LA2P-1C07V-②
Rectangle 	24V AC/DC LED 24V AC/DC Incandescent	LA3P-1C04-② LA3P-1C07-②	LA3P-1C04V-② LA3P-1C07V-②
Oversize Round 	24V AC/DC LED 24V AC/DC Incandescent	HA1P-1C04-② HA1P-1C07-②	HA1P-1C04V-② HA1P-1C07V-②
Oversize Square 	24V AC/DC LED 24V AC/DC Incandescent	HA2P-1C04-② HA2P-1C07-②	HA2P-1C04V-② HA2P-1C07V-②
Oversize Round Unibody 	24V AC/DC LED 24V AC/DC Incandescent	HA1P-14-② HA1P-17-②	-
Oversize Square Unibody 	24V AC/DC LED 24V AC/DC Incandescent	HA2P-14-② HA2P-17-②	-

② Lens/LED Color Codes

Color	Code
Amber	A
Green	G
Red	R
Blue	S
Yellow	Y
White	W

Voltage/Lamp Code

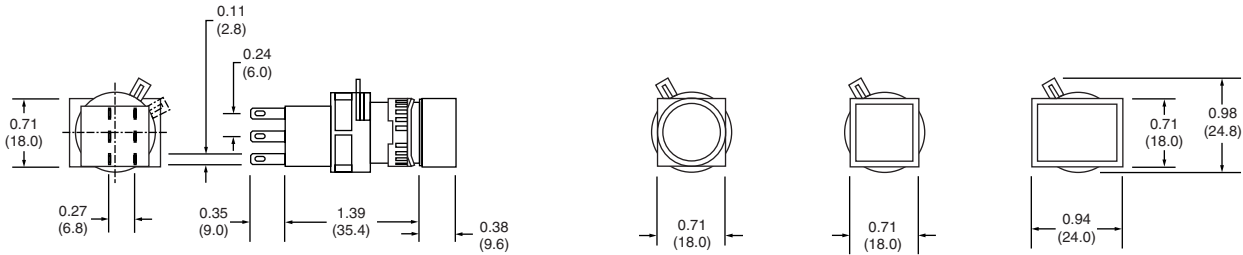
Voltage	Code
5V DC LED	1
6V AC/DC LED	2
12V AC/DC LED	3
24V AC/DC LED	4
120 V AC LED	8
6V AC/DC Incandescent	5
12V AC/DC Incandescent	6
24V AC/DC Incandescent	7



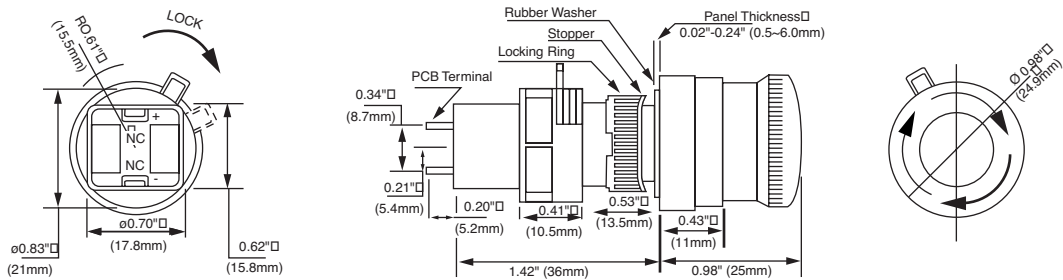
- In place of ② specify Lens/LED Color Code from table.
- Lamps also available in 5VDC, 6V AC/DC, 12V AC/DC or 120V AC, change "4" or "7" using Voltage/Lamp Codes (ie LA1P-1C03-② uses 12V AC/DC LED).

Dimensions

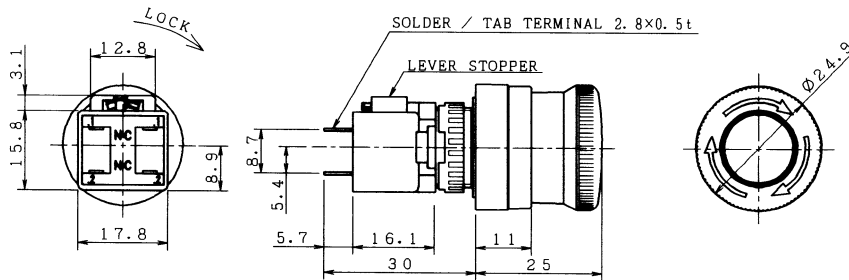
Non-Illuminated Pushbuttons (LA*B)



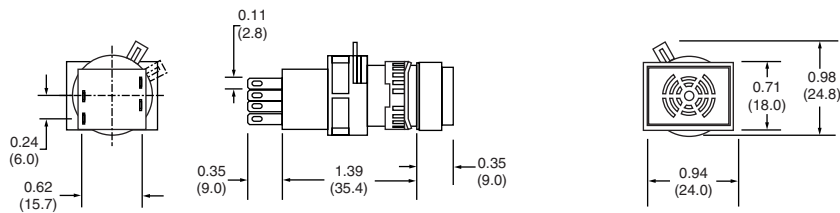
Emergency Stop Switch (HA1B)



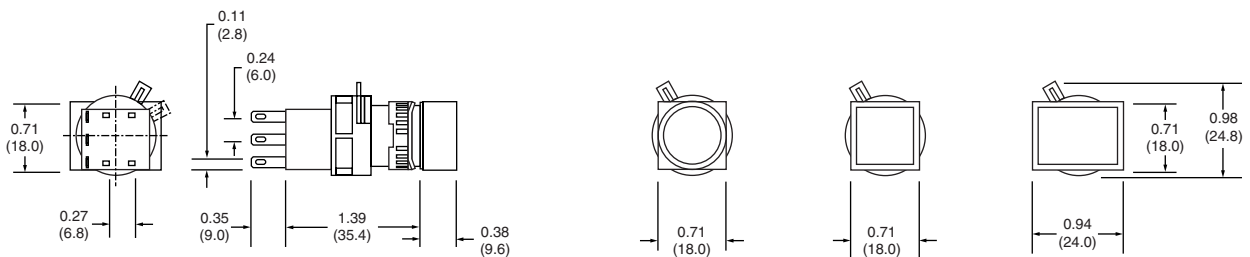
Emergency Stop Switch (HA1E) - Short Body Style



Buzzer (LA3Z)



Pilot Lights (LA*P)



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Switches & Pilot Devices