

### 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
- Locking Lever Removable Contact Blocks
- Positive Action Contacts
- 1 or 2 form B (SPST-NC) Contacts
- IP65 Protection
- 16mm Mounting Hole
- Tamper Proof Construction



File No. DK95-00138



CSA File No. LR21451



UL Recognized File No. E55996



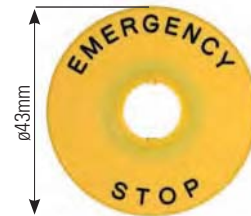
Direct Opening Action

#### Specifications

<b>Contact Form</b>	1 or 2 form B (SPST-NC)	
<b>Termination</b>	PCB or Solder Terminal	
<b>Contact Material</b>	Silver	
<b>Applicable Standards</b>	EN60947-5-1, UL508, CSA 22.2. No. 14	
<b>Rated Insulation Voltage</b>	250V AC/DC	
<b>Degree of Protection</b>	IP65	
<b>Conditional Short-Circuit Current and Short-Circuit Protective Device</b>	50 A (at 250V) 10A 250V Fuse, operation class M according to IEC269-1 and IEC269-2	
<b>Positive Opening Operation</b>	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
<b>Pollution Degree</b>	3	


#### Nameplates

HAAV–Yellow Plastic




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

#### 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	—

1. Button is non-removable, available in red and as complete assembled unit only.
2. E-Stop does not come with safety lever lock.

#### 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

#### Buzzer Ratings

Frequency	2 khz ± 500 HZ
Amplitude	80db @ 0.1m (at rated voltage)
Operating Voltage	6V AC/DC or 12 - 24V AC/DC ± 10%
Adjustable Cycle	55 to 600 cycles per minute
Current Draw	DC: 7mA AC: 20mA
Life	1000 hrs. minimum
Insulation Voltage	60V AC/DC
Operating Temperature	-20 to 55°C (no freezing), 45 to 85% RH
Degree of Protection	IP40