

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



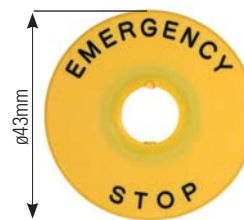
Direct Opening Action

Specifications

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


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

Switches & Pilot Lights

Display Lights

Relays & Sockets

Timers

Terminal Blocks

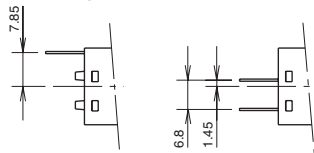
Circuit Breakers

Appearance	Description	Used With	Part Number
	ø24mm round, metal (aluminum color), panel cut-out ø20.2mm	L6 Switch + Flush Bezel = Flush Switch	LA9Z-SM61
	ø24mm round, plastic (black), panel cut-out ø20.2mm		LA9Z-S61B
	□24mm square, plastic (black), panel cut-out □20.2mm		LA9Z-S71B
	24 x 30mm rectangular, plastic (black), panel cut-out ø20.2 x 26.2mm		LA9Z-S81B
	Rectangular, plastic (black)		LA9Z-KS8

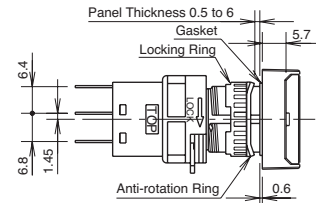
Flush bezels not applicable for oversize units.

Dimensions (mm)

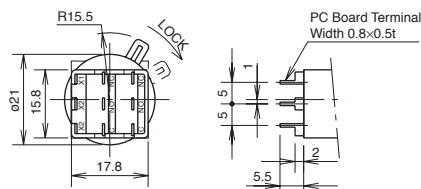
Pilot Lights (LA*P,) Pushbuttons (LA*B)



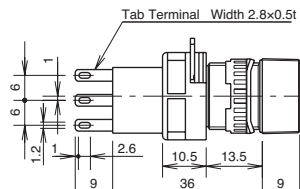
Illuminated Pushbuttons (LA*L)



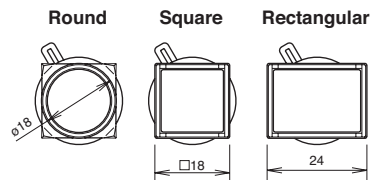
Note:
 1. Pushbuttons do not have lamp terminals.
 2. Pilot lights have only lamp terminals.



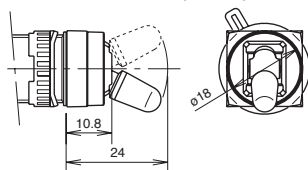
PC Board Terminal



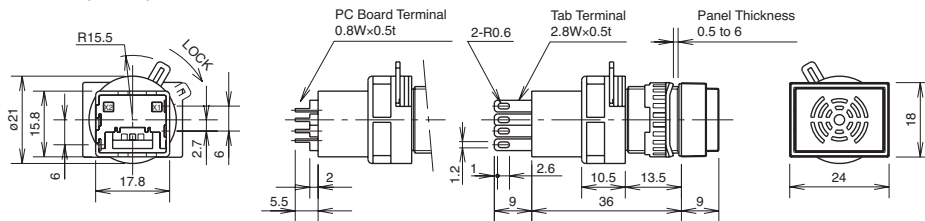
Solder/Tab Terminal



Lever Switches (LA1T)



Buzzer (LA3Z)



Emergency Stop Switch (HA1B)

