## 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
- 16 mm Mounting Hole
- Tamper Proof Construction
(D) File No. DK95-00138

$C$

|  | Contact Ratings |  | 24VDC/2A |
| :---: | :---: | :---: | :---: |
|  |  |  | 120VAC/3A |
|  | Contact For |  | 1 or 2 form B (2-SPST-NC) |
|  | Terminatio |  | PCB or Solder Terminal |
|  | Contact M |  | Silver |
|  | Applicab | dards | EN60947-5-1, UL-508, CSA 22.2. No. 14 |
|  | Rated Ins | V Voltage | 250 V |
|  | Degree of | tection | IP65, when mounted in an enclosure |
|  | Conditiona \&Short-Cir | hort-Circuit Current Protective Device | 50 A (at 250V) 10 A 250 V Fuse, operation class aM according to IEC269-1 and IEC269-2 |
|  | Positive Opening Operation | Positive opening travel | 3.4 mm |
|  |  | 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 | 5.5 mm |
|  |  | Maximum frequency of actuation | 1,200 operations/hour |
|  | Pollution Degree |  | 3 |



Part Numbers: Positive Action E-Stop

|  | Appearance | Operation | Contact |  | Terminal Style |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Solder Tab | PCB |  |
| E-Stop |  | Pushlock/ Turn Reset | DPST(NC) <br> (2 form B) |  | HA1B-V2E2R | HA1B-V2E2VR | Button is nonremovable, available in red and as complete assembled unit only. |
|  |  |  | Short Body | SPST-NC (1 form B) DPST-NC (2 form B) | HA1E-V2S1R HA1E-V2S2R | - |  |

Part Number: Buzzers (IP40)

| Appearance | Operating Voltage | Terminal Style |  |  |
| :--- | :--- | :--- | :--- | :--- |
|  |  | PCB |  |  |
|  |  | $6 \mathrm{VAC} / \mathrm{DC} \pm 10 \%$ | LA3Z-1X2 | LA3Z-1X2V |
|  |  |  |  |  |

Frequency: $2 \mathrm{khz} \pm 500 \mathrm{hz}$ Amplitude: 80 db at 0.1 m Beeping: Adjustable from steady tone to 600 beeps per minute.


| Accessories |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Part |  | Specrifications |  | Part Number | Notes |
| Ring Wench |  | Made of metal |  | мт.001 | Used for tightening the plastic locking ring when installing the $\mathrm{L6}$ series unit on a panel. Tightening torque should not exceed 9 kgf cm when tightening a locking ring. |
| Lamp Holdaf Tool IMade of fubbell |  | Made of rubber. Used for removing and replacing LED and incandescent lamps in uminated units |  | 0R-44 | Rubbertol used for ereplacing LEE and |
| Lens Senoval Tool |  | For lluminated pushbutuons and piott lights. |  | MT-101 | sed for removing the lens or button from the housing. |
| Let Lamp |  |  |  |  |  |
| Incandesenent lamp |  |  |  |  | 0.5W, T1-3/4 miniature flange base |
| Switch buard |  | ${ }_{\substack{\text { godegreses open- } \\ \text { ing mana } \\ \text { maned }}}$ | Round/Suare | AL-K6 | Prevents inadvertent switch operation. IP40 dust-tightrated |
|  |  | $\begin{aligned} & 180 \text { degrees } \\ & \text { opening, spring } \\ & \text { return } \end{aligned}$ | Round/Suare | AL-K6SP |  |
|  |  |  | Rectanguar | ${ }_{\text {AL-KH6SP }}$ |  |
|  |  |  | Oversize Round/Sq | Ha2z-k1 |  |
| Dustrpoof Cover |  | For round unis |  | AL-D6 | Provides extra level of sealing for "front-panel" portion of switches. (Not alenses or buttons). |
|  |  | For square units |  | Al-Da6 |  |
|  |  |  |  | AL-DH6 |  |
| Temminal Cover |  | $\underset{\substack{\text { Made of white } \\ \text { nylon }}}{ }$ | $\underbrace{\substack{\text { conacts }}}_{\text {All remorale }}$ | H6-VL2 | Covers terminals to perevent posisile eleatric shock. |
|  |  |  | Uniody Piot Lights | H6.pVL |  |
| Mountig Hole Pug |  | Rubber |  | AL-B6 | Fills unused panel cutouts. Mad of nitrile rubber. Push-in installation from front of panel. IP65 (oiltight) rated. |
|  |  | Alumium |  | AL-BM6 | Fills unused panel cutouts. Made of aluminum. Screw- on locking ring from inside of panel. IP65 (oiltight) rated |
| Reppecenert Kers | $B$ | for LAIK (1\#13) |  | As6-Sk | Pair ofkeys. |
|  |  | for HA1K (23) ${ }^{\text {2 }}$ |  | K69-Sk |  |
| Repleanent |  |  |  |  |  |
|  |  | All models |  | Haz-LN |  |
| $\underbrace{\substack{\text { Antifofition } \\ \text { Ring }}}_{\text {Replacenent }}$ |  |  | L6standard | Al6-IP | Prevents rotaion of switches in panel. |
|  |  |  | L6oversize | Hagz-LP | (incouded $w$ ithal assembleed swicthes) |
| $\underset{\substack{\text { Repla aement } \\ \text { Selector Inserts }}}{\text { a }}$ |  |  |  | Hasz-HC1-® | ( Applicabele or orund vessize selectors only |
| Replacement <br> Safety Lever Lock |  |  |  | Hag--LS |  |

