

## HW: The Best Engineered Switch in the World

## Key features include:

- Locking lever removable contact blocks
- Finger-safe IP20 contacts as standard, other terminal styles available
- Tamperproof construction
- All E-stops meet EN418 and are compliant with SEMI S2 standards
- Worldwide approvals
- Easy to assemble
- Available assembled or as sub-components
- Choice of black plastic or metallic front bezels
- Incandescent or LED illumination
- Transformer or full voltage
- Slow make double break self cleaning contacts

IDEC's HW switches are "The best engineered switch in the world" for a reason. Carrying the CE mark, UL, CSA, and TUV approvals, these switches are designed for use in almost any part of the world.

Complete with finger-safe contact blocks offering IP20 protection, these 7/8" $(22 \mathrm{~mm})$ switches include illuminated and non-illuminated pushbuttons, pilot lights, selector switches, and emergency stop switches.

All switches also incorporate mechanically keyed safety locking levers, ensuring correct installation and maintaining safety in high-vibration applications.

| Conforming to Standards | EN60947-1, EN60947-5-1, VDE0660-200, UL508, CSA C22-2 No.14 |  |
| :--- | :--- | :--- | :--- |
| Approvals |  |  |

1. For dimensions, see page A-116.
2. For life expectancy derating curves, see page A-120.

green and yellow.
3. ${ }^{\dagger}$ Grey available for round flush only.

## Emergency Stop Pushbuttons (Assembled)



Part Numbers: Non-IIluminated Emergency Stop Pushbuttons

| Style | Illumination Type | Contact | Part Number |
| :---: | :---: | :---: | :---: |
|  | LED | ```1NO-1NC 2NC 2NC (with active lamp circuit) 1NO-1NC (with active lamp circuit)``` | HW1E-LV4F110D-R*-(3) HW1E-LV4F020D-R*-(3) HW1E-TV4F020D-R-3 HW1E-TV4F110D-R*-(3) |
|  | Incandescent | ```1NO-1NC 2NC 1NO-1NC (with active lamp circuit) 2NC (with active lamp circuit)``` |  |

Part Numbers: Nameplates

| HWAV-Yellow Plastic |  |  |
| :--- | :--- | :--- |

Part Numbers: E-Stop Shrouds

| Style | Part Number |
| :--- | :--- |
|  | HW9Z-KG1-TK2120 |

Terminal Numbering (Unibody only)

| Models | Terminal Number |
| :--- | :--- |
| 1NO-1NC | NO $=.3 / 4$, NC $=.1 / .2$ |
| 2NC | $\mathrm{NC}=11 / 12, \mathrm{NC}=21 / 22$ |
| HW1E-L <br> HW1E-T | Lamp $+=$ X2, Lamp $=\mathrm{X} 1$ |

1.     * Available in Red only.
2. $\dagger$ Available in red or yellow (insert color code in place of (1))
3. In place of ${ }^{(3)}$, specify Full Voltage Code.
4. With single unit construction, the positive action contacts are integrated in the body of the switch. This provides an extra degree of safety and reliability for critical emergency stop functions.
5. In the illuminated version, the light is independent of the switch action (except active lamp circuit model).

6 For nameplates and accessories, see page A-113.
7 For dimensions, see page A-116.
8. For sub-assembly part numbers, see next page.
9. All HW series E-stops comply with EN418, the IEC "E-Stop Addendum to the Low Voltage Directive," this includes "tamper proof" operation whereby a change of contact state is not possible by "teasing" or "floating" the operator.
10. "Active Lamp Circuit" consists of a built-in Normally Open contact in series with the lamp. This allows the lamp to illuminate only when the button is pressed and eliminates the need for external jumpering.

