

# X6 Series Emergency Stop Switches (Unibody) ø16

## Nameplate (for ø16 Emergency Stop Switches)

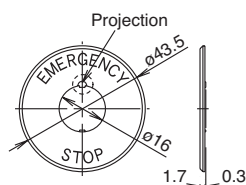
Package quantity: 1

| Description      | Legend         | Part No.        | Material  | Background Color | Legend Color |
|------------------|----------------|-----------------|-----------|------------------|--------------|
| For ø30mm Button | Blank          | <b>HAAV-0</b>   | Polyamide | Yellow           | Black        |
|                  | EMERGENCY STOP | <b>HAAV-27</b>  |           |                  |              |
| For ø40mm Button | Blank          | <b>HAAV4-0</b>  |           |                  |              |
|                  | EMERGENCY STOP | <b>HAAV4-27</b> |           |                  |              |

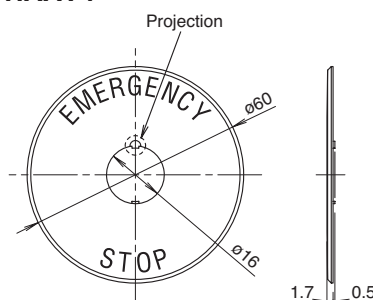
- Cannot be used with switch guard.

## Dimensions

### Nameplate for ø30mm Button HAAV-\*




### Nameplate for ø40mm Button HAAV4-\*



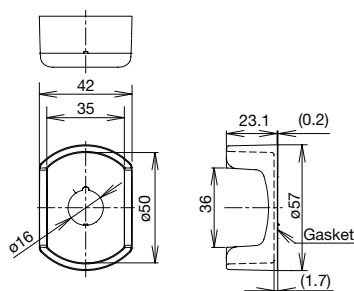
- Remove the projection from the nameplate using pliers, otherwise the switch cannot be installed.
- Panel thickness when using a nameplate: 0.5 to 3 mm

## SEMI S2 Compliant Switch Guard

Package quantity: 1

| Shape   | Material        | Part No.        | Remarks   |
|---|-----------------|-----------------|---|
|  | Polyamide (PA6) | <b>XA9Z-KG1</b> | <ul style="list-style-type: none"> <li>• IP65 degree of protection</li> <li>• Color: yellow (Munsell 2.5Y8/10 or equivalent)</li> <li>• Cannot be used with nameplate.</li> </ul> |

### Switch Guard XA9Z-KG1



- Panel thickness when using a nameplate: 0.5 to 3 mm

#### Note:


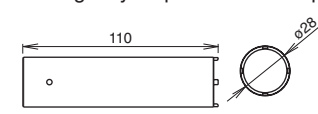

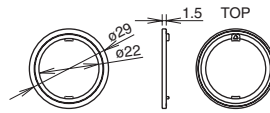



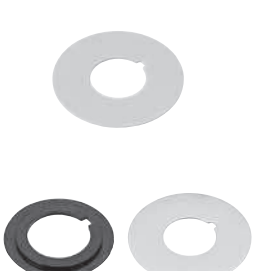
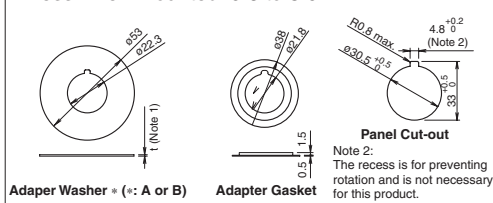
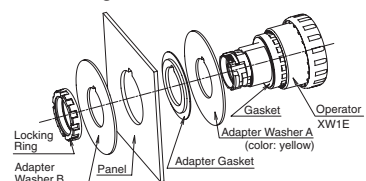
Switch guards have been designed for applications in semiconductor manufacturing equipment only. Do not use the switch guards with emergency stop switches which are installed on other machines such as machine tools or food processing machines. Machinery Directive of the European Commission and IEC 60204-1 require that emergency stop switches be installed in a readily accessible area, and the usage of switch guards is not permitted.

## Nameplates (white)

| Shape            | Description        | Part No.         | Material  | Plate Color          | Legend |
|------------------|--------------------|------------------|-----------|----------------------|--------|
| For ø16mm Series | For ø29mm Mushroom | <b>HAAV-0-W</b>  | Polyamide | White (Munsell N9.5) | Blank  |
|                  | For ø49mm Mushroom | <b>HAAV4-0-W</b> |           |                      |        |

# XW series Emergency Stop Switches ø22

## Accessories

| Description & Shape   | Material   | Part No.          | Ordering No.          | Package Quantity | Remarks  |
|---|--|-------------------|-----------------------|------------------|--|
|    | Metal<br>(nickel-plated brass)<br>(weight: approx. 150g) | <b>MW9Z-T1</b>    | <b>MW9Z-T1</b>        | 1                | <ul style="list-style-type: none"> <li>Used to tighten the locking ring when installing the XW emergency stop switch onto a panel.</li> </ul>   |
|    | Ring:<br>Polyamide<br>Gasket:<br>Nitril rubber           | <b>HW9Z-RL</b>    | <b>HW9Z-RLPN10</b>    | 10               | <ul style="list-style-type: none"> <li>The anti-rotation ring is used for preventing the operator from turning.</li> </ul>   |
|    | PBT  | <b>XA9Z-VL2</b>   | <b>XA9Z-VL2PN02</b>   | 2                | <ul style="list-style-type: none"> <li>White</li> <li>Used for solder terminals.</li> </ul>  |
|    | PPE  | <b>XW9Z-VL2M</b>  | <b>XW9Z-VL2MPN02</b>  | 2                | <ul style="list-style-type: none"> <li>Black</li> <li>Used for screw terminals.</li> <li>Attached to IP20 protection cover units.</li> </ul>   |
|   | Polyamide  | <b>XW9Z-VL2MF</b> | <b>XW9Z-VL2MFPN02</b> | 2                | <ul style="list-style-type: none"> <li>Black</li> <li>Used on terminals for IP20 finger protection.</li> <li>Only solid wires can be used.</li> <li>The IP20 protection cover cannot be removed once installed.</li> </ul>   |
|  | Rubber on metal base                                     | <b>XW9Z-A30E</b>  | <b>XW9Z-A30EPN02</b>  | 2                | <ul style="list-style-type: none"> <li>Yellow panel surface</li> <li>Used for installing XW1E emergency stop switches in ø30mm mounting hole.</li> <li>Can be used for XW1E emergency stop switches only.</li> <li>IP65 protection.</li> <li>Cannot be used with nameplates. Panel thickness when mounted: 0.8 to 3.0 mm</li> </ul>  <p><b>Adapter Washer * (*: A or B)</b></p> <p>Note 1: Adapter washer thickness (t)<br/>A = 1.2 mm<br/>B = 0.8 mm</p> <ul style="list-style-type: none"> <li>Panel Mounting</li> </ul>  |

### Notes:

- XW emergency stop switches of screw terminal are provided with a terminal cover.
- All dimensions in mm.

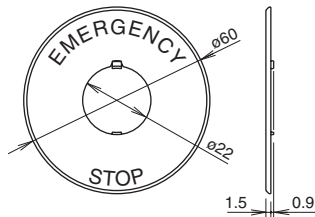
# ø22 XW Series Emergency Stop Switches

## Nameplate (for ø22 Emergency Stop Switches)

| Description        | Legend         | Part No.         | Ordering No.         | Package Quantity | Material  | Plate Color | Legend Color |
|--------------------|----------------|------------------|----------------------|------------------|-----------|-------------|--------------|
| For ø40mm Operator | (blank)        | <b>HWAV-0</b>    | <b>HWAV-0</b>        | 1                | Polyamide | Yellow      | Black        |
|                    | EMERGENCY STOP | <b>HWAV-27</b>   | <b>HWAV-27</b>       |                  |           |             |              |
| For ø60mm Operator | (blank)        | <b>HWAV5-0</b>   | <b>HWAV5-0</b>       | 10               | PBT       | Yellow      | Black        |
|                    | EMERGENCY STOP | <b>HWAV5-27</b>  | <b>HWAV5-27</b>      |                  |           |             |              |
|                    | EMERGENCY STOP | <b>HWAV5F-27</b> | <b>HWAV5F-27PN10</b> | PET film sticker |           |             |              |

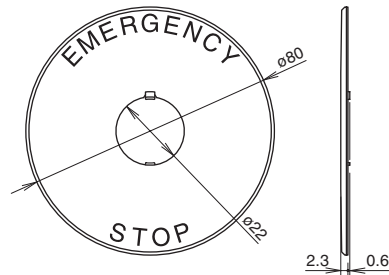
• EMERGENCY OFF and white nameplates (blank) also available. See page 61 and 64 for details.

### For ø40mm Operator



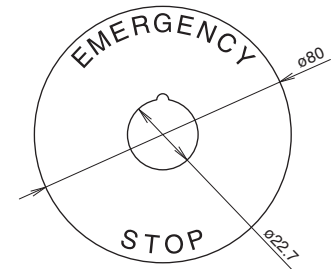
• Panel thickness when using the nameplate: 0.8 to 4.5 mm

### For ø60mm Operator




• Panel thickness when using the nameplate: 0.8 to 4 mm

### Sticker Nameplate for ø60mm Operator


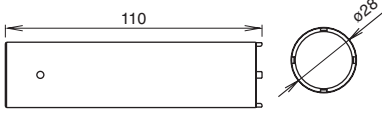

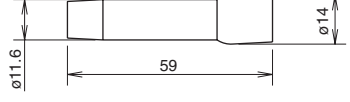

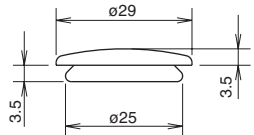

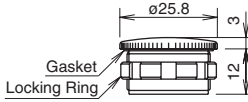

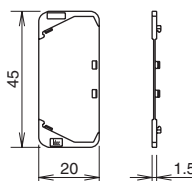





## Maintenance Parts

| Description & Shape   | Material      | Part No.       | Ordering No.       | Package Quantity | Remarks |
|---|---------------|----------------|--------------------|------------------|---------|
| Locking Ring<br> | Polyamide     | <b>HW9Z-LN</b> | <b>HW9Z-LNPN05</b> | 5                | • Black |
| Washer<br>       | Nitril rubber | <b>HW9Z-WM</b> | <b>HW9Z-WMPN10</b> | 10               | • Black |

# HW series Emergency Stop Switches ø22

## Accessories


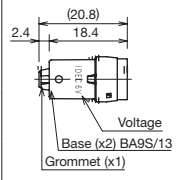
| Shape   | Material                                    | Part No.         | Ordering No.         | Package Quantity | Description & Dimensions (mm)   |
|---|---|------------------|----------------------|------------------|---|
|    | Metal<br>(weight:<br>approx. 150g)          | <b>MW9Z-T1</b>   | <b>MW9Z-T1</b>       | 1                | <ul style="list-style-type: none"> <li>Used to tighten the locking ring when installing the HW switch onto a panel.</li> <li>Tighten the locking ring to a torque of 2.0 N·m.</li> </ul>   |
|    | Rubber                                      | <b>OR-55</b>     | <b>OR-55</b>         | 1                | <ul style="list-style-type: none"> <li>Used to install and remove the LED lamps.</li> </ul>    |
|    | Rubber<br>(black)                           | <b>OB-31</b>     | <b>OB-31PN05</b>     | 5                | <ul style="list-style-type: none"> <li>Used to plug the unused ø22.2mm mounting holes.</li> </ul>    |
|   | Diecast Metal<br>(locking ring:<br>plastic) | <b>LW9Z-BM</b>   | <b>LW9Z-BM</b>       | 1                | <ul style="list-style-type: none"> <li>Used to plug the unused ø22.2mm mounting holes.</li> <li>Tighten the locking ring to a torque of 1.2 N·m.</li> <li>IP66</li> <li>Mounting panel thickness: 0.8 to 6 mm</li> </ul>    |
|  | Plastic                                     | <b>HW-VG1</b>    | <b>HW-VG1PN10</b>    | 10               | <ul style="list-style-type: none"> <li>Used to prevent contact between adjacent lead wires when units are mounted closely. Barriers should always be used in close mounting.</li> </ul>    |
|  | Rubber                                      | <b>HW9Z-A25</b>  | <b>HW9Z-A25PN05</b>  | 5                | <ul style="list-style-type: none"> <li>Used to install the HW/TW units into ø25 mounting holes.</li> <li>IP65</li> <li>Cannot be used with anti-rotation ring and nameplate.</li> <li>Mounting panel thickness: 1.2 to 6.0 mm</li> </ul>  |
|  | Adapter:<br>Plastic<br><br>Washer:<br>Metal | <b>HW9Z-A30</b>  | <b>HW9Z-A30PN02</b>  | 2                | <ul style="list-style-type: none"> <li>Used to install the HW units into ø30 mounting holes (except for HW1E and HW1B-M5/V5).</li> <li>IP65</li> <li>Cannot be used with anti-rotation ring, nameplate, full-shroud illuminated pushbuttons, pushbutton selectors, and mono-lever switches.</li> <li>Mounting panel thickness: 1.6 to 4.0 mm</li> </ul> |
|  | Adapter:<br>Rubber<br><br>Washer:<br>Metal  | <b>HW9Z-A30E</b> | <b>HW9Z-A30EPN02</b> | 2                | <ul style="list-style-type: none"> <li>Used to install the HW1E units into ø30 mounting holes.</li> <li>IP65</li> <li>Cannot be used with anti-rotation ring and nameplate.</li> <li>Mounting panel thickness: 1.6 to 3.8 mm</li> </ul>   |

## ø22 HW series Emergency Stop Switches


### Maintenance Parts

| Shape  | Material                      | Part No.           | Ordering No.           | Package Quantity | Description & Dimensions (mm)  |
|--|-------------------------------|--------------------|------------------------|------------------|--|
| <br>Safety Lever Lock | Plastic                       | <b>HW9Z-LS</b>     | <b>HW9Z-LSPN10</b>     | 10               | <ul style="list-style-type: none"> <li>• Yellow</li> <li>• 1 piece included as standard</li> </ul> |
| <br>Locking Ring      | Polyamide                     | <b>HW9Z-LN</b>     | <b>HW9Z-LNPN05</b>     | 5                | <ul style="list-style-type: none"> <li>• Black</li> </ul>  |
| <br>Gasket            | Nitril rubber                 | <b>HW9Z-WM</b>     | <b>HW9Z-WMPN10</b>     | 10               |  |
| <br>Spare Key         | Metal<br>Brass, nickel-plated | <b>HW9Z-SK-231</b> | <b>HW9Z-SK-231PN02</b> | 2                | <ul style="list-style-type: none"> <li>• For pushlock key reset switches</li> </ul>                |

### LED Lamps (LSTD)


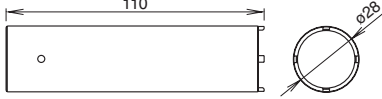

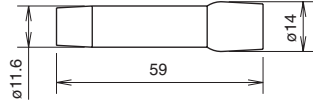

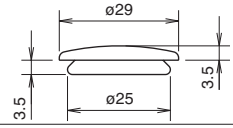

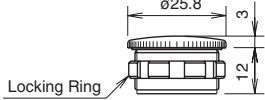

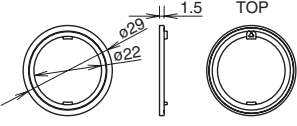

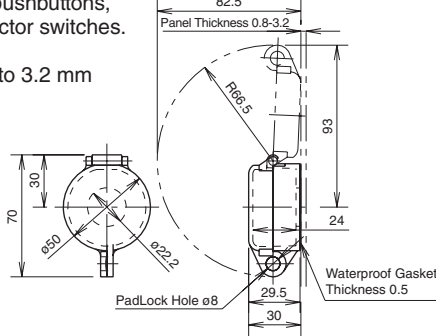
| Shape   | Rated Operating Voltage | Current Draw                                |   | Part No.       | Ordering No.       | Package Quantity | Base    | Dimensions (mm)  |
|---|-------------------------|---|---|----------------|--------------------|------------------|---------|--|
|   |                         | AC  | DC  |                |                    |                  |         |  |
|  | 6V AC/DC                | 17 mA<br>(A, R, W, Y)<br>8 mA<br>(G, PW, S) | 14 mA<br>(A, R, W, Y)<br>5.5 mA<br>(G, PW, S) | <b>LSTD-6R</b> | <b>LSTD-6R</b>     | 1                | BA9S/13 |  |
|   |                         |   |   |                | <b>LSTD-6RPN10</b> | 10               |         |  |
|   | 12V AC/DC               | 11 mA                                       | 10 mA   | <b>LSTD-1R</b> | <b>LSTD-1R</b>     | 1                |         |  |
|   |                         |   |   |                | <b>LSTD-1RPN10</b> | 10               |         |  |
|   | 24V AC/DC               | 11 mA                                       | 10 mA   | <b>LSTD-2R</b> | <b>LSTD-2R</b>     | 1                |         |  |
|   |                         |   |   |                | <b>LSTD-2RPN10</b> | 10               |         |  |

### Incandescent Lamps (LS)

| Shape   | Rated Operating Voltage | Lamp Ratings | Part No.    | Package Quantity | Dimensions (mm)   |
|---|-------------------------|--------------|-------------|------------------|---|
|  | 6V AC/DC                | 1W (6.3V)    | <b>LS-6</b> | 1                |  |
|   | 12V AC/DC               | 1W (18V)     | <b>LS-8</b> |                  |   |
|   | 18V AC/DC               | 1W (24V)     | <b>LS-2</b> |                  |   |
|   | 24V AC/DC               | 1W (30V)     | <b>LS-3</b> |                  |   |


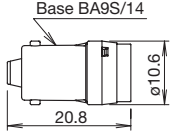

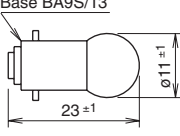

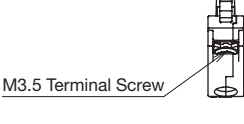
# ø22 YW Series Emergency Stop Switches

## Accessories

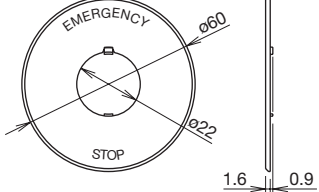
| Name & Shape  | Part No.           | Description & Dimensions (mm)  | Package Quantity |
|---|--------------------|--|------------------|
|    | <b>MW9Z-T1</b>     | Metallic tool used to tighten the plastic locking ring when installing the YW series control unit on a panel.    | 1                |
|    | <b>OR-55</b>       | Made of rubber. Used for replacing lamps.   | 1                |
|    | <b>OB-31PN05</b>   | Used for plugging unused mounting holes in the panel. Color: Black    | 5                |
|    | <b>LW9Z-BM</b>     | Used for plugging unused mounting holes in the panel. Weight: Approx. 18g   | 1                |
|   | <b>HW9Z-RLPN10</b> | Prevents rotation of switches in panel. Mainly used with selector switches when no nameplate is used. With waterproof gasket (IP65). Made of plastic (black). Applicable panel thickness: 1.2 to 4.5 mm  | 10               |
|  | <b>HW9Z-KL1</b>    | Plastic hinged cover to protect pushbuttons, illuminated pushbuttons, or selector switches. Degree of protection: IP65. Applicable panel thickness: 0.8 to 3.2 mm                                        | 1                |

# YW series Emergency Stop Switches ø22

## Maintenance Parts




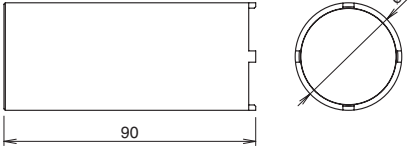

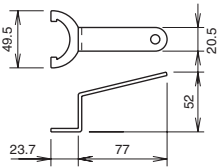
| Name & Shape  | Part No.        | Description & Dimensions (mm) |   | Package Quantity  |     |
|---|-----------------|-------------------------------|---|---|-----|
|  | <b>LSED-6R</b>  | 6V AC/DC                      |  | 1   |     |
|   | <b>LSED-1R</b>  | 12V AC/DC                     |   |   |     |
|   | <b>LSED-2R</b>  | 24V AC/DC                     |   |   |     |
|   | <b>LSED-HR</b>  | 110/120V AC/DC                |   |   |     |
|   | <b>LSED-M3R</b> | 230/240V AC/DC                |   |   |     |
|  | <b>LS-T6P</b>   | 6.3V, 1W                      | One pack contains 100 incandescent lamps.   |  | 100 |
|   | <b>LS-T8P</b>   | 18V, 1W                       |   |   |     |
|   | <b>LS-T3P</b>   | 30V, 1W                       |   |   |     |
|  | <b>YW-E10P</b>  | Contact: 1NO                  |   | 10  |     |
|   | <b>YW-E01P</b>  | Contact: 1NC                  |   |   |     |

## Nameplate (for ø22 Emergency Stop Switches)

| Description | Legend         | Material                         | Part No.       | Ordering No.   | Package Quantity | Dimensions (mm)   |
|-------------|----------------|----------------------------------|----------------|----------------|------------------|---|
| HWAV        | Blank          | Plastic (yellow)<br>1.5 mm thick | <b>HWAV-0</b>  | <b>HWAV-0</b>  | 1                |  <p>• Legend "Emergency Stop" is indicated outside a ø44mm circle.</p> |
|             | EMERGENCY STOP |                                  | <b>HWAV-27</b> | <b>HWAV-27</b> | 1                |   |

# XN series Emergency Stop Switches ø30

## Accessories and Replacement Parts

| Name & Shape   | Material                                  | Part No.   | Ordering No.   | Package Quantity | Remarks  |
|--|---|------------|----------------|------------------|--|
|   | PPE                                       | XW9Z-VL2M  | XW9Z-VL2MPN02  | 2                | <ul style="list-style-type: none"> <li>Black</li> <li>Used for screw terminals.</li> <li>Attached to IP20 protection cover units.</li> </ul>   |
|   | Polyamide                                 | XW9Z-VL2MF | XW9Z-VL2MFPN02 | 2                | <ul style="list-style-type: none"> <li>Black</li> <li>Used to change terminal cover to IP20 fingersafe terminal.</li> <li>Only solid wires can be used. Once installed, IP20 terminal cover cannot be removed.</li> </ul>          |
|   | Brass                                     | XN9Z-T1    | XN9Z-T1        | 1                | <ul style="list-style-type: none"> <li>Used to tighten the locking ring when installing the XN emergency stop switch onto a panel.</li> </ul>   |
|  | Steel<br>Trivalent<br>chromate<br>plating | TWST-T1    | TWST-T1        | 1                | <ul style="list-style-type: none"> <li>Used to tighten the locking ring when installing the XN emergency stop switch onto a panel.</li> </ul>  |

- The XN series emergency stop switches are supplied with either terminal cover or IP20 fingersafe terminal cover.
- Padlocks and hasps are not supplied and must be ordered separately.

## Nameplates (for ø30 Emergency Stop Switches)


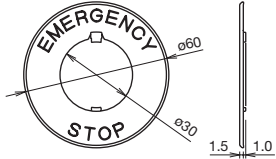
| Description & Shape   | Legend         | Part No. | Package Quantity | Dimensions (mm)  |
|---|----------------|----------|------------------|--|
|  | (blank)        | HNAV-0   | 1                | Polyamide<br>Mounting panel thickness<br>XN4E-□L4: 1.0 to 4.5 mm<br>XN□E-□V4: 1.0 to 3.5 mm<br> |
|   | EMERGENCY STOP | HNAV-27  |                  |  |

Plate color: Yellow (Munsell 2.5Y 8/10 or equivalent),  
Legend: Black

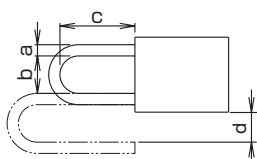
## Padlock and Hasp

Padlocks and hasps of the following specifications can be used with padlockable emergency stop switches.

### Padlock Size

| a            | b             | c             | d                    |
|--------------|---------------|---------------|----------------------|
| 7 mm maximum | 19 mm minimum | 39 mm minimum | 15 mm minimum (Note) |

Note: When the padlock is installed from the side of the bezel, dimension d requires a minimum of 6 mm. When the padlock is installed from the front of the button, dimension d requires a minimum of 15 mm.



### Recommended Hasp

| Maker                    | Part No.          |
|--------------------------|-------------------|
| PANDUIT CORP.            | PSL-HD3<br>PSL-1A |
| Master Lock® Company LLC | 420, 421          |

Use only padlocks or hasps that satisfy the specifications shown on the left. The maximum total weight for padlocks and hasps is 1500g.

Make sure that the total weight does not exceed 1500g, otherwise the XN emergency stop switch may be damaged. Make sure that locking and unlocking of the padlock and hasp do not interfere with other devices.

Padlocks and hasps are available from the following manufacturers.

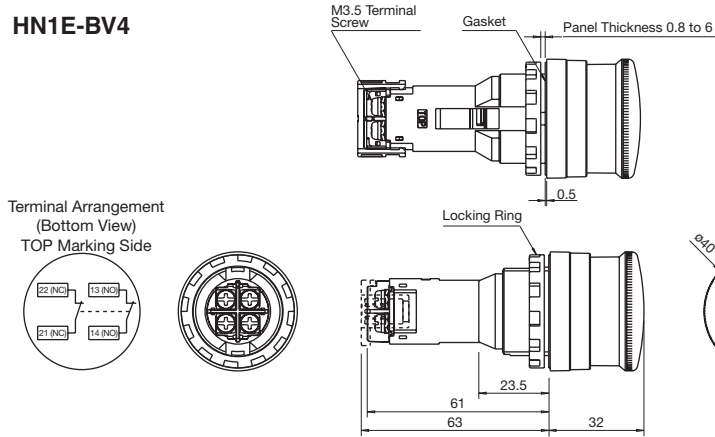
| Manufacturer             | URL   |
|--------------------------|---|
| PANDUIT CORP.            | <a href="http://www.panduit.com/">http://www.panduit.com/</a>       |
| Master Lock® Company LLC | <a href="http://www.masterlock.com/">http://www.masterlock.com/</a> |



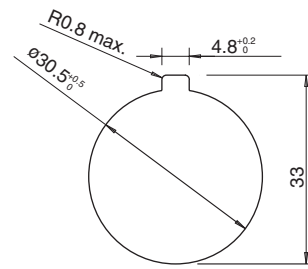
# ø30 HN Series Emergency Stop Switches

## Dimensions

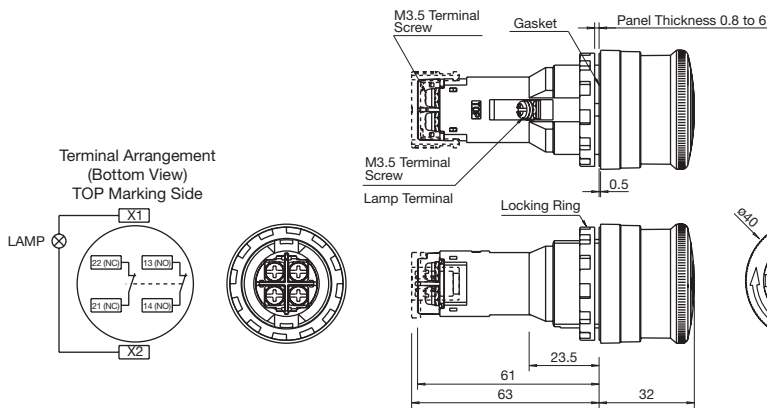
### HN1E-BV4



## Panel Cut-Out


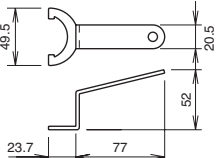

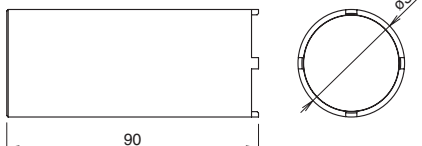


### HN1E-LV4


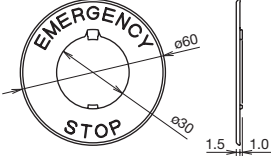


All dimensions in mm.

## Accessories

| Shape   | Material | Part No.       | Package Quantity | Remarks   |
|---|----------|----------------|------------------|---|
|  | Metal    | <b>TWST-T1</b> | 1                | Used for tightening the locking nut. Tighten the locking nut to a torque of 2.0 to 2.5 N·m.<br>  |
|  | Brass    | <b>XN9Z-T1</b> | 1                | • Used to tighten the locking ring when installing the XN emergency stop switch onto a panel.<br> |

## Nameplates (for ø30 Emergency Stop Switches)








| Shape   | Part No.       | Legend         | Package Quantity | Remarks  |
|---|----------------|----------------|------------------|--|
|  | <b>HNAV-0</b>  | (blank)        | 1                | Background: Yellow<br>Legend: Black<br>Applicable panel thickness: 0.8 to 4.5 mm<br>Material: Polyamide<br>Legend "EMERGENCY STOP" is indicated outside a ø44mm circle.<br> |
|   | <b>HNAV-27</b> | EMERGENCY STOP |                  |  |

# SEMI EMO Switch Guards

## SEMI S2 Compliant Switch Guards

### Switch Guards

Package Quantity: 1

| Series                | Description & Shape   | Part No.         | Applicable Switches  | Remarks  |
|-----------------------|---|------------------|--|--|
| ø16mm<br>XA Series    | ø16 mm<br>EMO Switch Guard<br>   | <b>XA9Z-KG1</b>  | <b>XA1E-BV3<br/>XA1E-BV4<br/>XA1E-LV3<br/>XA1E-LV4</b>   | <ul style="list-style-type: none"> <li>SEMI S2 compliant (The combination of IDEC's emergency stop switches and EMO switch guards are approved by TÜV Rheinland for compliance with SEMI S2 standard.)</li> </ul>  |
| ø22mm<br>HW/XW Series | ø22 mm<br>EMO Switch Guard<br>   | <b>HW9Z-KG1</b>  | <b>XW1E-BV4<br/>XW1E-LV4<br/>XW1E-TV4<br/>HW1B-V3<br/>HW1B-V4<br/>HW1B-X4<br/>HW1B-Y2<br/>HW1E-BV4<br/>HW1E-LV4</b>              | <ul style="list-style-type: none"> <li>SEMI S2-0703, 12.5.1 compliant.</li> <li>Widely used switch guard in many applications.</li> </ul>  |
|                       | ø22 mm<br>EMO Switch Guard<br>  | <b>HW9Z-KG2</b>  | <b>XW1E-BV4<br/>XW1E-LV4<br/>XW1E-TV4<br/>HW1B-V3<br/>HW1B-V4<br/>HW1B-X4<br/>HW1B-Y2<br/>HW1E-BV4<br/>HW1E-LV4</b>              | <ul style="list-style-type: none"> <li>SEMI S2-0703, 12.5.1 compliant.</li> <li>SEMATECH Application Guide for SEMI S2-93, 12.4. compliant.</li> <li>The round shape is effective to prevent inadvertent operation from any direction.</li> </ul>  |
|                       | ø22 mm<br>EMO Switch Guard<br> | <b>HW9Z-KG3</b>  | <b>XW1E-BV4<br/>XW1E-LV4<br/>XW1E-TV4<br/>HW1B-V3<br/>HW1B-V4<br/>HW1B-X4<br/>HW1B-Y2<br/>HW1E-BV4<br/>HW1E-LV4</b>              | <ul style="list-style-type: none"> <li>SEMI S2 compliant (The combination of IDEC's emergency stop switches and EMO switch guards are approved by TÜV Rheinland for compliance with SEMI S2 standard.)</li> <li>The smallest switch guard for ø22 series switches.</li> <li>Can be installed on FB control boxes.</li> </ul>   |
|                       | ø22 mm<br>EMO Switch Guard<br> | <b>HW9Z-KG4*</b> | <b>XW1E-BV4<br/>XW1E-BV5<br/>XW1E-LV4<br/>XW1E-TV4<br/>HW1B-V3<br/>HW1B-V4<br/>HW1B-X4<br/>HW1B-Y2<br/>HW1E-BV4<br/>HW1E-LV4</b> | <ul style="list-style-type: none"> <li>SEMI S2 compliant (The combination of IDEC's emergency stop switches and EMO switch guards are approved by TÜV Rheinland for compliance with SEMI S2 standard.)</li> <li>SEMATECH Application Guide for SEMI S2-93, 12.4. compliant.</li> <li>Narrower than HW9ZKG5. Saves more space.</li> <li>Can be installed on FB control boxes.</li> <li>Available in white.</li> </ul>                             |
|                       | ø22 mm<br>EMO Switch Guard<br> | <b>HW9Z-KG5*</b> | <b>XW1E-BV4<br/>XW1E-LV4<br/>XW1E-TV4<br/>XW1E-BV5<br/>HW1B-V3<br/>HW1B-V4<br/>HW1B-X4<br/>HW1B-Y2<br/>HW1E-BV4<br/>HW1E-LV4</b> | <ul style="list-style-type: none"> <li>SEMI S2 compliant (The combination of IDEC's emergency stop switches and EMO switch guards are approved by TÜV Rheinland for compliance with SEMI S2 standard.)</li> <li>SEMATECH Application Guide for SEMI S2-93, 12.4. compliant.</li> <li>A nameplate can be installed.</li> <li>Available in white.</li> </ul>  |

- Specify a color code in place of \*. Blank: yellow (Munsell 2.5Y8/10 or equivalent), -W: white (Munsell N9.5)
- Material: polyamide (PA6), degree of protection: IP65 (IEC 60529)