

# ZB5AW543

red flush illuminated pushbutton head Ã22  
spring return for integral LED

Product availability: Stock - Normally stocked in distribution facility



## Main

|                                 |   |
|---------------------------------|---|
| Range of product                | Harmony XB5                                       |
| Product or component type       | Head for illuminated push-button                  |
| Device short name               | ZB5   |
| Product compatibility           | Not compatible with legend holder<br>Integral LED |
| Bezel material                  | Dark grey plastic                                 |
| Mounting diameter               | 0.87 in (22 mm)                                   |
| Sale per indivisible quantity   | 1   |
| Head type                       | Standard  |
| Shape of signaling unit head    | Round   |
| Type of operator                | Spring return                                     |
| Operator profile                | Red flush unmarked                                |
| Operator additional information | Clear boot  |

## Complementary

|                                    |  |
|------------------------------------|--|
| CAD overall width                  | 1.18 in (30 mm)  |
| CAD overall height                 | 1.18 in (30 mm)  |
| CAD overall depth                  | 1.46 in (37 mm)  |
| Product weight                     | 0.04 lb(US) (0.019 kg)   |
| Resistance to high pressure washer | 1015.26 psi (7000000 Pa) at 131 °F (55 °C),distance: 0.1 m   |
| Mechanical durability              | 10000000 cycles  |
| Station name                       | XALD 1...5 cut-outs<br>XALK 2...5 cut-outs   |
| Electrical composition code        | M1 6 contacts using single blocks in front mounting with integral LED<br>M2 6 contacts using single and double blocks in front mounting with integral LED<br>M6 2 contacts using single blocks in front mounting with integral LED and trans-<br>former<br>M10 2 contacts using single blocks in front mounting with integral LED<br>MF1 2 contacts using single blocks in front mounting with integral LED<br>MR1 2 contacts using single blocks in rear mounting with integral LED |

## Environment

|                                       |   |
|---------------------------------------|---|
| Protective treatment                  | TC  |
| Ambient air temperature for storage   | -40...158 °F (-40...70 °C)  |
| Ambient air temperature for operation | -40...158 °F (-40...70 °C)  |
| Overvoltage category                  | Class II conforming to IEC 60536  |
| IP degree of protection               | IP67<br>IP66 conforming to IEC 60529  |
| NEMA degree of protection             | NEMA 13<br>NEMA 4X  |
| IK degree of protection               | IK05 conforming to EN 50102   |
| Standards                             | EN/IEC 60947-1<br>EN/IEC 60947-5-4<br>GB 14048.5<br>UL 508<br>EN/IEC 60947-5-1<br>CSA C22.2 No 14<br>JIS C 4520 |

|                        |  |
|------------------------|--|
| Product certifications | RINA<br>UL listed<br>DNV<br>LROS (Lloyds register of shipping)<br>BV<br>CSA<br>GL  |
| Vibration resistance   | 5 gn (f = 2...500 Hz) conforming to IEC 60068-2-6  |
| Shock resistance       | 30 gn (duration = 18 ms) half sine wave acceleration conforming to IEC 60068-2-27<br>50 gn (duration = 11 ms) half sine wave acceleration conforming to IEC 60068-2-27 |

### Ordering and shipping details

|                       |                                       |
|-----------------------|---------------------------------------|
| Category              | 22467 - PUSHBUTTONS,22MM(PLASTIC) NEW |
| Discount Schedule     | CS2                                   |
| GTIN                  | 00785901388241                        |
| Nbr. of units in pkg. | 1                                     |
| Package weight(Lbs)   | 4.0000000000000001E-2                 |
| Returnability         | Y                                     |
| Country of origin     | FR                                    |

### Offer Sustainability

|                            |  |
|----------------------------|--|
| California proposition 65  | WARNING: This product can expose you to chemicals including:   |
| - - - - - Substance 1      | Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. |
| - - - - - More information | For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>                                    |

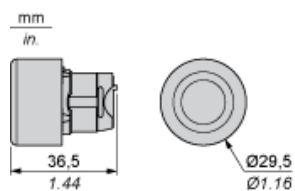
### Contractual warranty

|                 |           |
|-----------------|-----------|
| Warranty period | 18 months |
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Dimensions

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## Panel Cut-out for Pushbuttons, Switches and Pilot Lights (Finished Holes, Ready for Installation)

### Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board



- (1) Diameter on finished panel or support
- (2) For selector switches and Emergency stop buttons, use of an anti-rotation plate type ZB5AZ902 is recommended.
- (3)  $\varnothing 22.5$  mm recommended ( $\varnothing 22.3 \text{ }_0^{+0.4}$ ) /  $\varnothing 0.89$  in. recommended ( $\varnothing 0.88 \text{ in. }_0^{+0.016}$ )

| Connections                                   | a in mm | a in in. | b in mm | b in in. |
|---|---------|----------|---------|----------|
| By screw clamp terminals or plug-in connector | 40      | 1.57     | 30      | 1.18     |
| By Faston connectors                          | 45      | 1.77     | 32      | 1.26     |
| On printed circuit board                      | 30      | 1.18     | 30      | 1.18     |

### Detail of Lug Recess



- (1) Diameter on finished panel or support
- (2) For selector switches and Emergency stop buttons, use of an anti-rotation plate type ZB5AZ902 is recommended.
- (3)  $\varnothing 22.5$  mm recommended ( $\varnothing 22.3 \text{ }_0^{+0.4}$ ) /  $\varnothing 0.89$  in. recommended ( $\varnothing 0.88 \text{ in. }_0^{+0.016}$ )

### Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

## Panel Cut-outs (Viewed from Installer's Side)



A: 30 mm min. / 1.18 in. min.

B: 40 mm min. / 1.57 in. min.

## Printed Circuit Board Cut-outs (Viewed from Electrical Block Side)

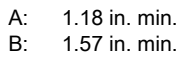
Dimensions in mm



A: 30 mm min.

B: 40 mm min.

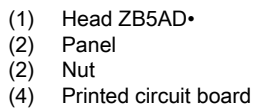
A: 1.18 in. min.  
B: 1.57 in. min.



## General Tolerances of the Panel and Printed Circuit Board

## Installation Precautions

- The fixing centers marked a and b are diagonally opposed and must align with those marked 4 and 5.



### Mounting of Adapter (Socket) ZBZ01•

- 1 2 elongated holes for ZBZ006 screw access
- 2 1 hole  $\varnothing$  2.4 mm  $\pm$  0.05 / 0.09 in.  $\pm$  0.002 for centring adapter ZBZ01•
- 3 8  $\times$   $\varnothing$  1.2 mm / 0.05 in. holes
- 4 1 hole  $\varnothing$  2.9 mm  $\pm$  0.05 / 0.11 in.  $\pm$  0.002, for aligning the printed circuit board (with cut-out marked a)
- 5 1 elongated hole for aligning the printed circuit board (with cut-out marked b)
- 6 4 holes  $\varnothing$  2.4 mm / 0.09 in. for clipping in adapter ZBZ01•

Dimensions An + 18.1 relate to the  $\varnothing$  2.4 mm  $\pm$  0.05 / 0.09 in.  $\pm$  0.002 holes for centring adapter ZBZ01•.

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Electrical Composition Corresponding to Codes M1 and M7

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Electrical Composition Corresponding to Codes M2 and M8

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Electrical Composition Corresponding to Codes M6 and P2

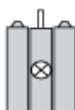
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Electrical Composition Corresponding to Codes M5, M10, MF1, MR1 and MF2

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Legend

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Single contact





Double contact



Light block



Possible location



# Mouser Electronics

Authorized Distributor

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