

## ZB5AW36

blue flush illuminated pushbutton head Ø22  
spring return for BA9s bulb



### Main

|                                 |                                 |
|---------------------------------|---------------------------------|
| Range of product                | Harmony XB5                     |
| Product or component type       | Head for illuminated pushbutton |
| Device short name               | ZB5                             |
| Product compatibility           | BA 9s                           |
| Bezel material                  | Plastic                         |
| Mounting diameter               | 22 mm                           |
| Sale per indivisible quantity   | 1                               |
| Shape of signaling unit head    | Round                           |
| Type of operator                | Spring return                   |
| Operator profile                | Blue flush unmarked             |
| Operator additional information | With plain lens                 |

### Complementary

|                                    |  |
|------------------------------------|--|
| CAD overall width                  | 29 mm  |
| CAD overall height                 | 29 mm  |
| CAD overall depth                  | 32 mm  |
| Product weight                     | 0.018 kg   |
| Resistance to high pressure washer | 7000000 Pa at 55 °C, distance: 0.1 m   |
| Mechanical durability              | 5000000 cycles   |
| Station name                       | XALK 2...5 cut-outs<br>XALD 1...5 cut-outs   |
| Electrical composition code        | MF2 for ≤ 2 contacts using single blocks in front mounting with BA 9s<br>M9 for ≤ 2 contacts using single blocks in front mounting with BA 9s and transformer<br>M8 for ≤ 6 contacts using single and double blocks in front mounting with BA 9s<br>M7 for ≤ 6 contacts using single blocks in front mounting with BA 9s |

### Environment

|  |   |
|--|---|
| Protective treatment                       | TC  |
| Ambient air temperature for storage        | -40...70 °C   |
| Ambient air temperature for operation      | -25...70 °C   |
| Class of protection against electric shock | Class II conforming to IEC 60536  |
| IP degree of protection                    | IP66 conforming to IEC 60529  |
| NEMA degree of protection                  | NEMA 4X<br>NEMA 13  |
| IK degree of protection                    | IK05 conforming to EN 50102   |
| Standards                                  | EN/IEC 60947-1<br>EN/IEC 60947-5-1<br>EN/IEC 60947-5-4<br>JIS C 4520<br>UL 508<br>GB 14048.5<br>CSA C22.2 No 14 |
| Product certifications                     | BV<br>CSA<br>DNV<br>GL<br>LROS (Lloyds register of shipping)<br>RINA<br>UL listed                               |

|                      |  |
|----------------------|--|
| Vibration resistance | 5 gn (f = 2...500 Hz) conforming to IEC 60068-2-6  |
| Shock resistance     | 50 gn for 11 ms half sine wave acceleration conforming to IEC 60068-2-27<br>30 gn for 18 ms half sine wave acceleration conforming to IEC 60068-2-27 |

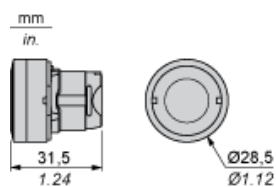
### Contractual warranty

|        |           |
|--------|-----------|
| 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.

[illegible]

Dimensions An + 18.1 relate to the  $\varnothing 2.4 \text{ mm} \pm 0.05 / 0.09 \text{ in.} \pm 0.002$  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

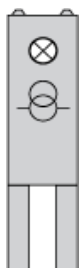
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Electrical Composition Corresponding to Code M9

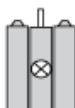
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Electrical Composition Corresponding to Codes M5, M10, MF1, MR1 and MF2

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Legend

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Single contact





Double contact



Light block



Possible location

