

## ZB5AC64

modrá Ø30 hlavice s hříbovým tlačítkem Ø22 s návratem



### Hlavní parametry

|                                |                                   |
|--------------------------------|-----------------------------------|
| Řada výrobků                   | Harmony XB5                       |
| Typ produktu nebo součásti     | Hlava pro neprosvětlené tlačítko  |
| Označení přístroje             | ZB5                               |
| Materiál obruhy                | Dark grey plastic                 |
| Průměr pro montáž              | 22 mm                             |
| Typ hlavy                      | Standard                          |
| Prodej v nedělitelném množství | 1                                 |
| Tvar hlavice                   | Kruh                              |
| Typ ovládací hlavice           | S návratem                        |
| Provedení ovládače             | Modrá hříbový Ø 30 mm bez symbolu |

### Doplňěk

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CAD celková šířka    | 30 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| CAD celková výška    | 30 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| CAD celková hloubka  | 52 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Hmotnost přístroje   | 0,027 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Mechanická životnost | 5000000 cykly                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Označení skříně      | XALD 1...5 výřezů<br>XALK 2...5 výřezů                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Označení el. složení | C15 pro 1 kontakty použitím jednoduchých bloky v čelní montáž<br>C15 pro 1 kontakty použitím jednoduchých bloky v čelní montáž<br>C11 pro 3 kontakty použitím jednoduchých bloky v čelní montáž<br>SF1 pro 3 kontakty použitím jednoduchých bloky v čelní montáž<br>C1 for 9 contacts using single blocks in front mounting<br>C2 for 9 contacts using single and double blocks in front mounting<br>SR1 pro 3 kontakty použitím jednoduchých bloky v montáž na desku ve dně skříně |

### Životní prostředí

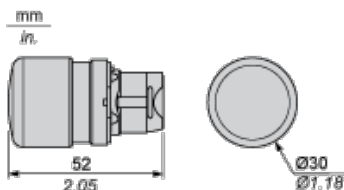
|                                     |                                                                                                   |
|-------------------------------------|---------------------------------------------------------------------------------------------------|
| stupeň ochrany                      | TH                                                                                                |
| teplota okolí pro uskladnění        | -40...70 °C                                                                                       |
| teplota okolního vzduchu pro provoz | -40...70 °C                                                                                       |
| kategorie přepětí                   | Třída II podle IEC 60536                                                                          |
| stupeň krytí IP                     | IP66 podle IEC 60529<br>IP69K<br>IP69                                                             |
| stupeň krytí NEMA                   | NEMA 13<br>NEMA 4X                                                                                |
| odolnost proti vysokému tlaku mytí  | 7000000 Pa při 55 °C, vzdálenost: 0,1 m                                                           |
| stupeň ochrany IK                   | IK03 podle IEC 50102                                                                              |
| standarty                           | EN/IEC 60947-1<br>EN/IEC 60947-5-1<br>EN/IEC 60947-5-4<br>JIS C 4520<br>UL 508<br>CSA C22.2 č. 14 |
| certifikace výrobku                 | BV<br>CSA<br>DNV<br>GL<br>LROS (Lloyds register of shipping)<br>RINA<br>UL listed                 |
| odolnost proti otřesům              | 30 gn (doba trvání = 18 ms) pro akcelerace polovina sin. vlny podle IEC 60068-2-27                |

|                         |                                                                                    |
|-------------------------|------------------------------------------------------------------------------------|
|                         | 50 gn (doba trvání = 11 ms) pro akcelerace polovina sin. vlny podle IEC 60068-2-27 |
| odolnost proti vibracím | 5 gn (f = 2...500 Hz) podle IEC 60068-2-6                                          |

## Contractual warranty

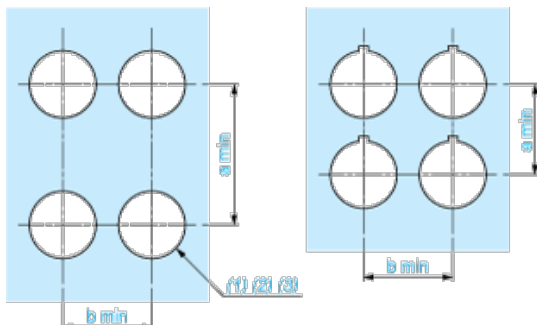
|               |           |
|---------------|-----------|
| Záruční lhůta | 18 měsíců |
|---------------|-----------|

## Dimensions



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

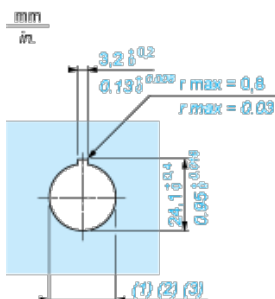
### Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board



- (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) Ø22.5 mm recommended ( $\text{Ø}22.3 \text{ }_0^{+0.4}$ ) / Ø0.89 in. recommended ( $\text{Ø}0.88 \text{ in. }_0^{+0.016}$ )

| 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



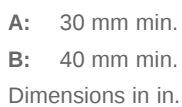
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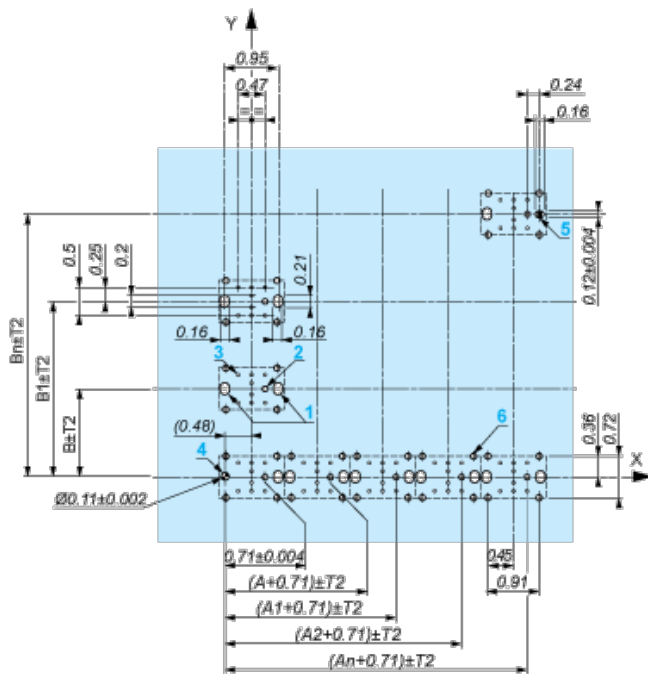
## Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

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



Dimensions in mm





A: 1.18 in. min.

B: 1.57 in. min.

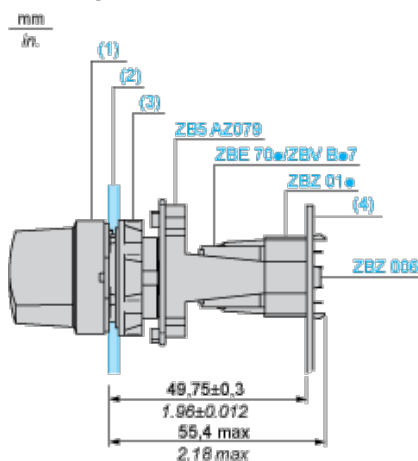
### General Tolerances of the Panel and Printed Circuit Board

The cumulative tolerance must not exceed 0.3 mm / 0.012 in.:  $T1 + T2 = 0.3 \text{ mm max.}$

### Installation Precautions

- | Minimum thickness of circuit board: 1.6 mm / 0.06 in.
- | Cut-out diameter: 22.4 mm  $\pm 0.1$  / 0.88 in.  $\pm 0.004$
- | Orientation of body/fixing collar ZB5AZ009:  $\pm 2^\circ 30'$  (excluding cut-outs marked **a** and **b**).
- | Tightening torque of screws ZBZ006: 0.6 N.m (5.3 lbf.in) max.
- | Allow for one ZB5AZ079 fixing collar/pillar and its fixing screws:
  - | every 90 mm / 3.54 in. horizontally (X), and 120 mm / 4.72 in. vertically (Y).
  - | with each selector switch head (ZB5AD•, ZB5AJ•, ZB5AG•).

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



- (1) Head ZB5AD•
- (2) Panel
- (3) Nut
- (4) Printed circuit board

### Mounting of Adapter (Socket) ZBZ01•

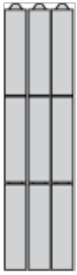
- | 1 2 elongated holes for ZBZ006 screw access
- | 2 1 hole  $\varnothing 2.4 \text{ mm} \pm 0.05$  / 0.09 in.  $\pm 0.002$  for centring adapter ZBZ01•
- | 3 8  $\times \varnothing 1.2 \text{ mm}$  / 0.05 in. holes
- | 4 1 hole  $\varnothing 2.9 \text{ mm} \pm 0.05$  / 0.11 in.  $\pm 0.002$ , for aligning 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 Ø 2.4 mm / 0.09 in. for clipping in adapter ZBZ01•

Dimensions An + 18.1 relate to the Ø 2.4 mm ± 0.05 / 0.09 in. ± 0.002 holes for centring adapter ZBZ01•.

### Electrical Composition Corresponding to Code C1



### Electrical Composition Corresponding to Code C2

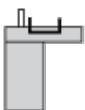


### Electrical Composition Corresponding to Codes C9, C11, SF1 and SR1

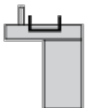


### Electrical Composition Corresponding to Code C15

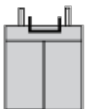
1 N/O



1 N/C



1 N/O + N/C or 1 N/O + N/O or 1 N/C + N/C



### Legend

Single contact



Double contact



Light block



Possible location

