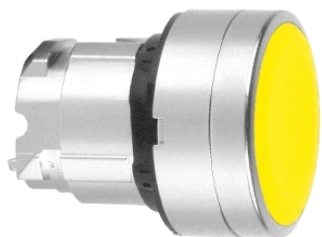


## ZB4BP583

žlutá zapuř. hlava tlačítka Ø22 s návratem  
neoznačená



### Hlavní parametry

|                                |                                                           |
|--------------------------------|-----------------------------------------------------------|
| Řada výrobků                   | Harmony XB4                                               |
| Typ produktu nebo součásti     | Hlava pro neprosvětlené tlačítko                          |
| Označení přístroje             | ZB4                                                       |
| Kompatibilita                  | Držák štítků                                              |
| Materiál obruby                | Kovová chromovaná                                         |
| Průměr pro montáž              | 22 mm                                                     |
| Prodej v nedělitelném množství | 1                                                         |
| Typ hlavy                      | Standard                                                  |
| Tvar hlavice                   | Kruh                                                      |
| Typ ovládací hlavice           | S návratem                                                |
| Provedení ovládače             | Žlutá lícující bez symbolu                                |
| Další informace o ovladači     | Průhledná membrána pro vložení chráněného štítku do hlavy |

### Doplňěk

|                      |                                                                                                                                                                                                   |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CAD celková šířka    | 30 mm                                                                                                                                                                                             |
| CAD celková výška    | 30 mm                                                                                                                                                                                             |
| CAD celková hloubka  | 32 mm                                                                                                                                                                                             |
| Mechanická životnost | 100000000 cyklů                                                                                                                                                                                   |
| Označení el. složení | C4 pro 6 kontakty použitím jednoduchý a dvojité bloky v čelní montáž<br>C3 pro 6 kontakty použitím jednoduchý bloky v čelní montáž<br>C14 pro 2 kontakty použitím jednoduchý bloky v čelní montáž |

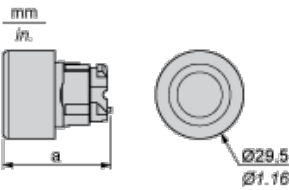
### Životní prostředí

|                                     |                                                                                                                                                                          |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| stupeň ochrany                      | TH                                                                                                                                                                       |
| teplota okolí pro uskladnění        | -40...70 °C                                                                                                                                                              |
| teplota okolního vzduchu pro provoz | -40...70 °C                                                                                                                                                              |
| kategorie přepětí                   | Třída I podle IEC 60536                                                                                                                                                  |
| stupeň krytí IP                     | IP67<br>IP66 podle IEC 60529<br>IP69K<br>IP69                                                                                                                            |
| stupeň krytí NEMA                   | NEMA 13<br>NEMA 4X                                                                                                                                                       |
| stupeň ochrany IK                   | IK06 podle IEC 50102                                                                                                                                                     |
| standarty                           | EN/IEC 60947-1<br>EN/IEC 60947-5-1<br>EN/IEC 60947-5-4<br>EN/IEC 60947-5-5<br>JIS C 4520<br>UL 508<br>CSA C22.2 č. 14                                                    |
| certifikace výrobku                 | BV<br>CSA<br>DNV<br>GL<br>LR0S (Lloyds register of shipping)<br>RINA<br>UL listed                                                                                        |
| odolnost proti vibracím             | 5 gn (f = 2...500 Hz) podle IEC 60068-2-6                                                                                                                                |
| odolnost proti otřesům              | 30 gn (doba trvání = 18 ms) pro akcelerace polovina sin. vlny podle IEC 60068-2-27<br>50 gn (doba trvání = 11 ms) pro akcelerace polovina sin. vlny podle IEC 60068-2-27 |

Contractual warranty

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

Dimensions



|          | a in mm | a in in. |
|----------|---------|----------|
| ZB4BP••  | 36.5    | 1.44     |
| ZB4BP•S  | 33      | 1.30     |
| ZB4BP•83 | 32      | 1.26     |
| ZB4BP•   | 35      | 1.38     |

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

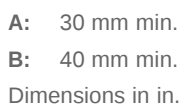
| Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board                                                                                                                                                                                                                                       | Connection by Faston Connectors |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
|                                                                                                                                                                                                                                                                                                                             |                                 |
| <p>(1) Diameter on finished panel or support</p> <p>(2) 40 mm min. / 1.57 in. min.</p> <p>(3) 30 mm min. / 1.18 in. min.</p> <p>(4) Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm <math>^{+0.4}_0</math> / 0.88 in. <math>^{+0.016}_0</math>)</p> <p>(5) 45 mm min. / 1.78 in. min.</p> <p>(6) 32 mm min. / 1.26 in. min.</p> |                                 |

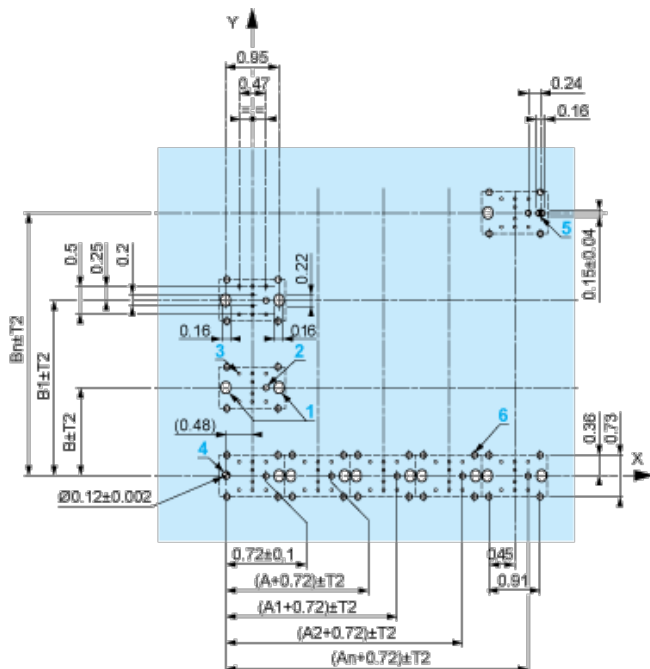
Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

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



Dimensions in mm





A: 1.18 in. min.

B: 1.57 in. min.

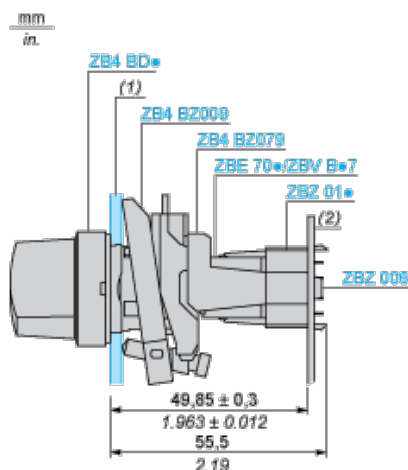
### General Tolerances of the Panel and Printed Circuit Board

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 ZB4 BZ009:  $\pm 2^\circ 30'$  (excluding cut-outs marked **a** and **b**).
- | Tightening torque of screws ZBZ 006: 0.6 N.m (5.3 lbf.in) max.
- | Allow for one ZB4 BZ079 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 (ZB4 BD•, ZB4 BJ•, ZB4 BG•).

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



(1) Panel

(2) Printed circuit board

### Mounting of Adapter (Socket) ZBZ 01•

- | 1 2 elongated holes for ZBZ 006 screw access
- | 2 1 hole  $\varnothing 2.4 \text{ mm} \pm 0.05$  / 0.09 in.  $\pm 0.002$  for centring adapter ZBZ 01•
- | 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  $\varnothing 2.4 \text{ mm}$  / 0.09 in. for clipping in adapter ZBZ 01•

Dimensions An + 18.1 relate to the Ø 2.4 mm ± 0.05 / 0.09 in. ± 0.002 holes for centring adapter ZBZ 01•.

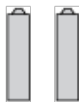
Electrical Composition Corresponding to Code C3



Electrical Composition Corresponding to Code C4



Electrical Composition Corresponding to Codes C14, SF2 and SR2



Legend

Single contact



Double contact



Light block



Possible location

