

## Tehničke karakteristike proizvoda

### Karakteristike

## ZB4BP2S

glava crnog udubljenog tastera Ø22 sa  
povratkom bez oznake



### Osnovne informacije

|                                     |                            |
|-------------------------------------|----------------------------|
| Grupa proizvoda                     | Harmony XB4                |
| Tip proizvoda ili komponente        | Glava za nesvetleći taster |
| Kratko ime uređaja                  | ZB4                        |
| Kompatibilnost proizvoda            | Nosač oznake               |
| Materijal podnožja                  | Hromirani metal            |
| Prečnik za montiranje               | 22,5 mm                    |
| Prodaja po nedeljivim količinama    | 1                          |
| Tip glave                           | Standardni                 |
| Oblik glave signalne jedinice       | Okrugla                    |
| Tip glave uređaja                   | Sa povratkom               |
| Profil glave uređaja                | Crna udubljena, neoznačeno |
| Dodatne informacije o glavi uređaja | Navlaka u boji             |
| Boja kapica/glave ili sočiva        | Crna                       |

### Dopunske informacije

|                      |                                                                                                                                                                                                                                                                                                    |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cad ukupna širina    | 30 mm                                                                                                                                                                                                                                                                                              |
| Cad ukupna visina    | 30 mm                                                                                                                                                                                                                                                                                              |
| Cad ukupna dubina    | 33 mm                                                                                                                                                                                                                                                                                              |
| Mehanička trajnost   | 10000000 ciklusa                                                                                                                                                                                                                                                                                   |
| Kod                  | C1 za <9 kontakti koristeći jednostruke blokove u prednja ugradnja<br>C2 za <9 kontakti koristeći jednostruke i dvostruke blokove u prednja ugradnja<br>C11 za <3 kontakti koristeći jednostruke blokove u prednja ugradnja<br>C15 za <1 kontakti koristeći jednostruke blokove u prednja ugradnja |
| Prezentacija uređaja | Osnovni element                                                                                                                                                                                                                                                                                    |

### Okruženje

|                                     |                                                     |
|-------------------------------------|-----------------------------------------------------|
| Tretman zaštite                     | TH                                                  |
| Temperatura okoline za skladištenje | -40...70 °C                                         |
| Temperatura okoline za rad uređaja  | -40...70 °C                                         |
| Kategorija prenapona                | Klasa I u skladu sa IEC 60536                       |
| Ip stepen zaštite                   | IP66 u skladu sa IEC 60529<br>IP67<br>IP69<br>IP69K |
| Nema stepen zaštite                 | NEMA 13<br>NEMA 4X                                  |
| Ik stepen zaštite                   | IK06 conforming to IEC 50102                        |

|                         |                                                                                                                                                                                                        |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standardi               | IEC 60947-5-1<br>UL 508<br>IEC 60947-5-4<br>IEC 60947-1<br>JIS C8201-5-1<br>IEC 60947-5-5<br>CSA C22.2 No 14<br>JIS C8201-1                                                                            |
| Sertifikacija proizvoda | CSA[RETURN]LROS (Lloyds register of shipping)<br>[RETURN]DNV[RETURN]BV[RETURN]GL[RETURN]UL odobrenje                                                                                                   |
| Otpornost na vibracije  | 5 gn (f= 2...500 Hz) u skladu sa IEC 60068-2-6                                                                                                                                                         |
| Otpornost na udare      | 30 gn (trajanje = 18 milisekundi) za ubrzanje polovine sinusne periode u skladu sa IEC 60068-2-27<br>50 gn (trajanje = 11 milisekundi) za ubrzanje polovine sinusne periode u skladu sa IEC 60068-2-27 |

## Pakovanje

|                              |          |
|------------------------------|----------|
| Unit Type of Package 1       | PCE      |
| Number of Units in Package 1 | 1        |
| Package 1 Height             | 4,7 cm   |
| Package 1 Width              | 3,5 cm   |
| Package 1 Length             | 5,6 cm   |
| Package 1 Weight             | 28 g     |
| Unit Type of Package 2       | BB1      |
| Number of Units in Package 2 | 5        |
| Package 2 Height             | 4,5 cm   |
| Package 2 Width              | 26,5 cm  |
| Package 2 Length             | 3,4 cm   |
| Package 2 Weight             | 142 g    |
| Unit Type of Package 3       | S03      |
| Number of Units in Package 3 | 200      |
| Package 3 Height             | 30 cm    |
| Package 3 Width              | 30 cm    |
| Package 3 Length             | 40 cm    |
| Package 3 Weight             | 6,255 kg |

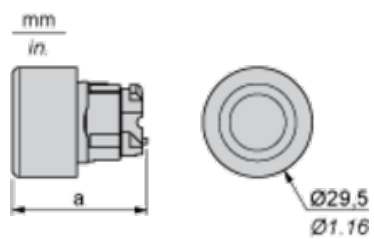
## Održivost ponude

|                              |                                                                                                                                                                                                      |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Status održive ponude        | Green Premium proizvod                                                                                                                                                                               |
| Propis REACH                 |  <a href="#">REACH Deklaracija</a>                                                                                |
| REACH bez SVHC               | Da                                                                                                                                                                                                   |
| EU RoHS direktiva            | Proaktivna usaglašenost (proizvod nije u zakonskom okviru direktive EU RoHS)  <a href="#">EU RoHS deklaracija</a> |
| Bez toksičnih teških metala  | Da                                                                                                                                                                                                   |
| Bez žive                     | Da                                                                                                                                                                                                   |
| RoHS regulativa za Kinu      |  <a href="#">RoHS Deklaracija Za Kinu</a>                                                                         |
| Informacije o RoHS izuzecima |  <a href="#">Da</a>                                                                                               |
| Izjava o zaštiti okoliša     |  <a href="#">Profil Ekološke Prihvatljivosti Proizvoda</a>                                                        |
| Profil cirkularnosti         |  <a href="#">Informacije O Kraju Radnog Veka</a>                                                                  |

## Ugovorna garancija

|           |           |
|-----------|-----------|
| Garancija | 18 months |
|-----------|-----------|

## 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 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
|                                                                                                                                                                                                                                                                                                                          |                                 |
| (1) Diameter on finished panel or support<br>(2) 40 mm min. / 1.57 in. min.<br>(3) 30 mm min. / 1.18 in. min.<br>(4) $\varnothing 22.5 \text{ mm}$ / 0.89 in. recommended ( $\varnothing 22.3 \text{ mm}_0^{+0.4}$ / $0.88 \text{ in.}_0^{+0.016}$ )<br>(5) 45 mm min. / 1.78 in. min.<br>(6) 32 mm min. / 1.26 in. min. |                                 |

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



## 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 mm  $\pm$  0.05 / 0.09 in.  $\pm$  0.002 for centring adapter ZBZ 01•
- 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 ZBZ 01•

Dimensions An + 18.1 relate to the  $\varnothing$  2.4 mm  $\pm$  0.05 / 0.09 in.  $\pm$  0.002 holes for centring adapter ZBZ 01•.

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Electrical Composition Corresponding to Code C1

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Electrical Composition Corresponding to Code C2

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

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Electrical Composition Corresponding to Code C15

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1 N/O

1 N/C

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

## Legend

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Single contact

Double contact

Light block

Possible location

