

## Tehničke karakteristike proizvoda

### Karakteristike

## ZB5AG0D

glava izbornog prekidača Ø22 3-pozicije bez  
povratka Dom 8D1



### Osnovne informacije

|                                  |                                      |
|----------------------------------|--------------------------------------|
| Grupa proizvoda                  | Harmony XB5                          |
| Tip proizvoda ili komponente     | Glava za izborni prekidač sa ključem |
| Kratko ime uređaja               | ZB5                                  |
| Materijal podnožja               | Tamno siva plastika                  |
| Prečnik za montiranje            | 22 mm                                |
| Tip glave                        | Standardni                           |
| Prodaja po nedeljivim količinama | 1                                    |
| Oblik glave signalne jedinice    | Okrugla                              |
| Tip glave uređaja                | Bez povratka                         |
| Profil glave uređaja             | Crna ključ taster                    |
| Informacija o poziciji glave     | 3 pozicije +/- 45°                   |
| Tip brave                        | Dom 8D1                              |
| Pozicija vađenja ključa          | U bilo kom položaju                  |

### Dopunske informacije

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cad ukupna širina    | 29 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Cad ukupna visina    | 29 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Cad ukupna dubina    | 72 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Masa proizvoda       | 0,057 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Mehanička trajnost   | 1000000 ciklusa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Ime stanice          | XALD 1...5 izreza<br>XALK 2...5 izreza                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Kod                  | C4 za <6 kontakti koristeći jednostruke i dvostruke blokove u prednja ugradnja<br>C5 za <5 kontakti koristeći jednostruke blokove u prednja ugradnja<br>C6 za <5 kontakti koristeći jednostruke i dvostruke blokove u prednja ugradnja<br>C7 za <4 kontakti koristeći jednostruke blokove u prednja ugradnja<br>C8 za <4 kontakti koristeći jednostruke i dvostruke blokove u prednja ugradnja<br>C11 za <3 kontakti koristeći jednostruke blokove u prednja ugradnja<br>C3 za <6 kontakti koristeći jednostruke blokove u prednja ugradnja<br>SF1 za <3 kontakti koristeći jednostruke blokove u prednja ugradnja<br>SR1 za <3 kontakti koristeći jednostruke blokove u zadnja montaža |
| 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 II 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                                  |

|                                             |                                                                                                                                                                                                        |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Otpornost na uređaj za pranje pod pritiskom | 7000000 Pa pri 55 °C, razdaljina : 0.1 m                                                                                                                                                               |
| Ik stepen zaštite                           | IK06 conforming to IEC 50102                                                                                                                                                                           |
| Standardi                                   | UL 508<br>IEC 60947-5-4<br>CSA C22.2 No 14<br>IEC 60947-5-1<br>JIS C8201-5-1<br>IEC 60947-1<br>JIS C8201-1                                                                                             |
| Sertifikacija proizvoda                     | UL<br>odobrenje[RETURN]DNV[RETURN]CSA[RETURN]BV[RETURN]GL[RETURN]LROS<br>(Lloyds register of shipping)                                                                                                 |
| 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             | 8,8 cm   |
| Package 1 Width              | 3,4 cm   |
| Package 1 Length             | 5,4 cm   |
| Package 1 Weight             | 50,0 g   |
| Unit Type of Package 2       | S02      |
| Number of Units in Package 2 | 50       |
| Package 2 Height             | 15,0 cm  |
| Package 2 Width              | 30,0 cm  |
| Package 2 Length             | 40,0 cm  |
| Package 2 Weight             | 3,755 kg |

## Održivost ponude

|                              |                                                                                                                                               |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Status održive ponude        | Green Premium proizvod                                                                                                                        |
| Propis REACH                 |  <a href="#">REACH Deklaracija</a>                         |
| EU RoHS direktiva            | Proaktivna usaglašenost (proizvod nije u zakonskom okviru direktive EU RoHS)                                                                  |
| 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>           |

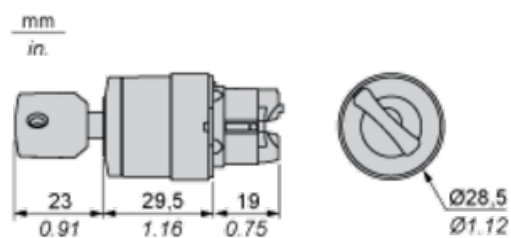
## Ugovorna garancija

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

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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.

Dimensions in in.



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

- 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•).

mm  
in.

(1)  
(2)  
(3)

ZB5 AZ079  
ZBE 70●/ZBV B●7  
ZBZ 01●  
(4)

ZBZ 006

$49,75 \pm 0,3$   
 $1,96 \pm 0,012$   
 $55,4 \text{ max}$   
 $2,18 \text{ max}$

- (1) Head ZB5AD•
- (2) Panel
- (2) Nut

#### (4) Printed circuit board

##### Mounting of Adapter (Socket) ZBZ01•

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

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 Code C4

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Electrical Composition Corresponding to Code C5

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Electrical Composition Corresponding to Code C6

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Electrical Composition Corresponding to Code C7

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Electrical Composition Corresponding to Code C8

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## Electrical Composition Corresponding to Code C3

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

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## Legend

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Single contact

Double contact

Light block

Possible location



## Sequence of Contacts Fitted to 3-position Selector Switch Body

### Position 315°



|          |          |      |        |        |      |
|----------|----------|------|--------|--------|------|
| Push     | Position | Top  |        |        |      |
| Bottom   |          |      |        |        |      |
| Location |          | Left | Centre | Right  |      |
| State    |          | 1    | 1      | 0      |      |
| Contacts | N/O      |      | closed | closed | open |
| N/C      |          | open | open   | closed |      |

### Position 0°



|          |          |        |        |        |      |
|----------|----------|--------|--------|--------|------|
| Push     | Position | Top    |        |        |      |
| Bottom   |          |        |        |        |      |
| Location |          | Left   | Centre | Right  |      |
| State    |          | 0      | 0      | 0      |      |
| Contacts | N/O      |        | open   | open   | open |
| N/C      |          | closed | closed | closed |      |

### Position 45°



|          |          |        |        |        |        |
|----------|----------|--------|--------|--------|--------|
| Push     | Position | Top    |        |        |        |
| Bottom   |          |        |        |        |        |
| Location |          | Left   | Centre | Right  |        |
| State    |          | 0      | 1      | 1      |        |
| Contacts | N/O      |        | open   | closed | closed |
| N/C      |          | closed | open   | open   |        |