## Product datasheet

Specifications

Harmony XB4. Key switch selector head. metal. black. Ø22. key
 $\mathrm{n}^{\circ} 455$. 3 positions. stay put

ZB4BG5

Price: 987.90 ZAR

| Main |  |
| :--- | :--- |
| Range Of Product | Harmony XB4 |
| Product Or Component Type | Head for key selector switch |
| Device Short Name | ZB4 |
| Bezel Material | Chromium plated metal |
| Mounting Diameter | 22 mm |
| Head Type | Standard |
| Sale Per Indivisible Quantity | 1 |
| Shape Of Signaling Unit Head | Round |
| Operator Profile | Black key switch |
| Operator Position Information | 3 positions $+/-45^{\circ}$ |
| Type Of Keylock | Key 455 |
| Key Withdrawal Position | Left and right |

Complementary

| Cad Overall Width | 29 mm |
| :--- | :--- |
| Cad Overall Height | 29 mm |
| Cad Overall Depth | 72 mm |
| Net Weight | 0.098 kg |
| Resistance To High Pressure <br> Washer | 7000000 Pa at $55^{\circ} \mathrm{C}$, distance : 0.1 m |
| Mechanical Durability | 1000000 cycles |
| Electrical Composition Code | C 3 for $<6$ contacts using single blocks in front mounting |
|  | C 4 for $<6$ contacts using single and double blocks in front mounting |
| C 5 for $<5$ contacts using single blocks in front mounting |  |
| C 6 for $<5$ contacts using single and double blocks in front mounting |  |
| C 7 for $<4$ contacts using single blocks in front mounting |  |
| C 8 for $<4$ contacts using single and double blocks in front mounting |  |
| C 11 for $<3$ contacts using single blocks in front mounting |  |

Environment

| Protective Treatment | TH |
| :--- | :--- |
| Ambient Air Temperature For <br> Storage | $-40 \ldots 70^{\circ} \mathrm{C}$ |
| Ambient Air Temperature For <br> Operation | $-40 \ldots 70^{\circ} \mathrm{C}$ |
| Overvoltage Category | Class I conforming to IEC 60536 |


| Ip Degree Of Protection | IP66 conforming to IEC 60529 |
| :--- | :--- |
|  | IP67 |
|  | IP69 |
| Nema Degree Of Protection | NEMA 13 |
|  | NEMA 4X |
| Ik Degree Of Protection | IK06 with keyhole cover ZBGP conforming to IEC 50102 |
| Standards | EN/IEC 60947-5-4 |
|  | EN/IEC 60947-5-1 |
|  | CSA C22.2 No 14 |
|  | GB 14048.5 |
|  | EN/IEC 60947-1 |
|  | UL 508 |
|  | UL listed |
| Product Certifications | GL |
|  | LROS (Lloyds register of shipping) |
|  | CSA |
|  | BV |
|  | DNV |
| Vibration Resistance | 5 gn (f= $2 \ldots .500 \mathrm{~Hz}$ ) conforming to IEC 60068-2-6 |
| Shock Resistance | 30 gn (duration = 18 ms) for half sine wave acceleration conforming to IEC |
|  | $60068-2-27$ |
|  | 50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC |
|  | $60068-2-27$ |

Packing Units

| Unit Type Of Package 1 | PCE |
| :--- | :--- |
| Number Of Units In Package 1 | 1 |
| Package 1 Height | 8.8 cm |
| Package 1 Width | 5.2 cm |
| Package 1 Length | 3.3 cm |
| Package 1 Weight | 103 g |
| Unit Type Of Package 2 | S 03 |
| Number Of Units In Package 2 | 100 |
| Package 2 Height | 30 cm |
| Package 2 Width | 30 cm |
| Package 2 Length | 40 cm |
| Package 2 Weight | 10.779 kg |

Contractual warranty

[^0]
## Sustainability $\begin{aligned} \text { Gireen } \\ \text { Premum }\end{aligned}$

Green Premium ${ }^{\text {TM }}$ label is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low- $\mathrm{CO}_{2}$ products.
Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.
Learn more about Green Premium >
Guide to assess a product's sustainability >


Transparency RoHS/REACh

## Well-being performance



Mercury Free
( Rohs Exemption Information
Yes

## Certifications \& Standards

| Reach Regulation | REACh Declaration |
| :--- | :--- |
| Eu Rohs Directive | Pro-active compliance (Product out of EU RoHS legal scope) |
| China Rohs Regulation | China RoHS declaration |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End of Life Information |

Product datasheet

Dimensions Drawings

Dimensions


## Product datasheet

ZB4BG5

Mounting and Clearance

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

## Product datasheet

## 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

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ZB4BG5


A: 30 mm min
B: 40 mm min .
Dimensions in in


A: $1.18 \mathrm{in} . \mathrm{min}$.
B: $1.57 \mathrm{in} . \mathrm{min}$.
General Tolerances of the Panel and Printed Circuit Board
The cumulative tolerance must not exceed $0.3 \mathrm{~mm} / 0.012 \mathrm{in}: \mathrm{T} 1+\mathrm{T} 2=0.3 \mathrm{~mm}$ max.

## Installation Precautions

- Minimum thickness of circuit board: $1.6 \mathrm{~mm} / 0.06 \mathrm{in}$.
- Cut-out diameter: $22.4 \mathrm{~mm} \pm 0.1$ / $0.88 \mathrm{in} . \pm 0.004$
- Orientation of body/fixing collar ZB4 BZ009: $\pm 20^{\circ} 30^{\prime}$ (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 $90 \mathrm{~mm} / 3.54 \mathrm{in}$. horizontally (X), and $120 \mathrm{~mm} / 4.72 \mathrm{in}$. vertically $(\mathrm{Y})$.

- with each selector switch head (ZB4 BD•, ZB4 BJ•, ZB4 BG•).

The fixing centers marked $\mathbf{a}$ and $\mathbf{b}$ are diagonally opposed and must align with those marked $\mathbf{4}$ and $\mathbf{5}$.

(1) Panel
(2) Printed circuit board

## Mounting of Adapter (Socket) ZBZ 01•

- 12 elongated holes for ZBZ 006 screw access
- 21 hole $\varnothing 2.4 \mathrm{~mm} \pm 0.05$ / $0.09 \mathrm{in} . \pm 0.002$ for centring adapter ZBZ $01 \cdot$
- $38 \times \varnothing 1.2 \mathrm{~mm} / 0.05 \mathrm{in}$. holes
- 41 hole $\varnothing 2.9 \mathrm{~mm} \pm 0.05 / 0.11 \mathrm{in} . \pm 0.002$, for aligning the printed circuit board (with cut-out marked a)
- 51 elongated hole for aligning the printed circuit board (with cut-out marked b)
- 64 holes Ø 2.4 mm / 0.09 in. for clipping in adapter ZBZ 01 •

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

Technical Description

Electrical Composition Corresponding to Code C3








Single contact


Double contact


Light block


Possible location


Position $315^{\circ}$
$315^{\circ}$

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

Position $0^{\circ}$



Position $45^{\circ}$




[^0]:    Warranty
    18 months

