

# Product datasheet

Specifications



Harmony XB4. Push button flush mounted. metal. green. Ø30. spring return. unmarked. 1 NO

XB4FA31

Price: 390.75 ZAR

## Main

|                               |                                                                                                                                                                             |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range Of Product              | Harmony XB4                                                                                                                                                                 |
| Product Or Component Type     | Push-button                                                                                                                                                                 |
| Device Short Name             | XB4F                                                                                                                                                                        |
| Product Compatibility         | ZBYF...<br>ZBZF32<br>ZBZF33                                                                                                                                                 |
| Bezel Material                | Chromium plated metal                                                                                                                                                       |
| Fixing Collar Material        | Zamak                                                                                                                                                                       |
| Mounting Diamete              | 30.5 mm                                                                                                                                                                     |
| Sale Per Indivisible Quantity | 1                                                                                                                                                                           |
| Shape Of Signaling Unit Head  | Round                                                                                                                                                                       |
| Type Of Operator              | spring return                                                                                                                                                               |
| Operator Profile              | Green flush, unmarked                                                                                                                                                       |
| Head Type                     | Built-in-flush                                                                                                                                                              |
| Contacts Type And Composition | 1 NO                                                                                                                                                                        |
| Contact Operation             | Slow-break                                                                                                                                                                  |
| Connections - Terminals       | Screw clamp terminals, <= 2 x 1.5 mm² with cable end conforming to IEC 60947-1<br>Screw clamp terminals, 1 x 0.22...2 x 2.5 mm² without cable end conforming to IEC 60947-1 |

## Complementary

|                                    |                                                                |
|------------------------------------|----------------------------------------------------------------|
| Height                             | 47 mm                                                          |
| Width                              | 36.6 mm                                                        |
| Depth                              | 55 mm                                                          |
| Terminals Description Iso N°1      | (13-14)NO                                                      |
| Net Weight                         | 0.116 kg                                                       |
| Resistance To High Pressure Washer | 7000000 Pa at 55 °C, distance : 0.1 m                          |
| Device Mounting                    | Built-in                                                       |
| Fixing Mode                        | By screws                                                      |
| Contacts Usage                     | Standard contacts                                              |
| Positive Opening                   | Without                                                        |
| Operating Travel                   | 2.6 mm (NO changing electrical state)<br>4.3 mm (total travel) |

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

|                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating Force                             | 3.8 N NO changing electrical state                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Mechanical Durability                       | 10000000 cycles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Tightening Torque                           | 0.8...1.2 N.m conforming to IEC 60947-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Shape Of Screw Head                         | Cross compatible with Philips no 1 screwdriver<br>Cross compatible with pozidriv No 1 screwdriver<br>Slotted compatible with flat Ø 4 mm screwdriver<br>Slotted compatible with flat Ø 5.5 mm screwdriver                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Contacts Material                           | Silver alloy (Ag/Ni)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Short-Circuit Protection                    | 10 A cartridge fuse type gG conforming to IEC 60947-5-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| [Ith] Conventional Free Air Thermal Current | 10 A conforming to IEC 60947-5-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| [Ui] Rated Insulation Voltage               | 600 V (pollution degree 3) conforming to IEC 60947-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| [Uimp] Rated Impulse Withstand Voltage      | 6 kV conforming to IEC 60947-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| [Ie] Rated Operational Current              | 3 A at 240 V, AC-15, A600 conforming to IEC 60947-5-1<br>6 A at 120 V, AC-15, A600 conforming to IEC 60947-5-1<br>0.1 A at 600 V, DC-13, Q600 conforming to IEC 60947-5-1<br>0.27 A at 250 V, DC-13, Q600 conforming to IEC 60947-5-1<br>0.55 A at 125 V, DC-13, Q600 conforming to IEC 60947-5-1<br>1.2 A at 600 V, AC-15, A600 conforming to IEC 60947-5-1                                                                                                                                                                                                                                                                               |
| Electrical Durability                       | 1000000 cycles, AC-15, 2 A at 230 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C<br>1000000 cycles, AC-15, 3 A at 120 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C<br>1000000 cycles, AC-15, 4 A at 24 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C<br>1000000 cycles, DC-13, 0.2 A at 110 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C<br>1000000 cycles, DC-13, 0.5 A at 24 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C |
| Electrical Reliability                      | $\Lambda < 10\exp(-6)$ at 5 V and 1 mA in clean environment conforming to IEC 60947-5-4<br>$\Lambda < 10\exp(-8)$ at 17 V and 5 mA in clean environment conforming to IEC 60947-5-4                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Device Presentation                         | Complete product                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

## Environment

|                                       |                                                                                                            |
|---------------------------------------|------------------------------------------------------------------------------------------------------------|
| Protective Treatment                  | TH                                                                                                         |
| Ambient Air Temperature For Storage   | -40...70 °C                                                                                                |
| Ambient Air Temperature For Operation | -40...70 °C                                                                                                |
| Overvoltage Category                  | Class I conforming to IEC 60536                                                                            |
| Ip Degree Of Protection               | IP66 conforming to IEC 60529<br>IP67<br>IP69<br>IP69K                                                      |
| Nema Degree Of Protection             | NEMA 13<br>NEMA 4X                                                                                         |
| Ik Degree Of Protection               | IK06 conforming to IEC 50102                                                                               |
| Standards                             | CSA C22.2 No 14<br>IEC 60947-5-1<br>IEC 60947-5-4<br>UL 508<br>IEC 60947-1<br>JIS C8201-5-1<br>JIS C8201-1 |
| Product Certifications                | UL listed<br>CSA                                                                                           |
| Vibration Resistance                  | 5 gn (f= 2...500 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<br>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             | 8.6 cm  |
| Package 1 Width              | 5.2 cm  |
| Package 1 Length             | 4.3 cm  |
| Package 1 Weight             | 110.0 g |
| Unit Type Of Package 2       | BB1     |
| Number Of Units In Package 2 | 5       |
| Package 2 Height             | 4.3 cm  |
| Package 2 Width              | 8.6 cm  |
| Package 2 Length             | 26.5 cm |
| Package 2 Weight             | 550.0 g |
| Unit Type Of Package 3       | S03     |
| Number Of Units In Package 3 | 80      |
| Package 3 Height             | 30.0 cm |
| Package 3 Width              | 30.0 cm |
| Package 3 Length             | 40.0 cm |
| Package 3 Weight             | 9.3 kg  |

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

Sustainability



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Transparency   RoHS/REACH

Well-being performance

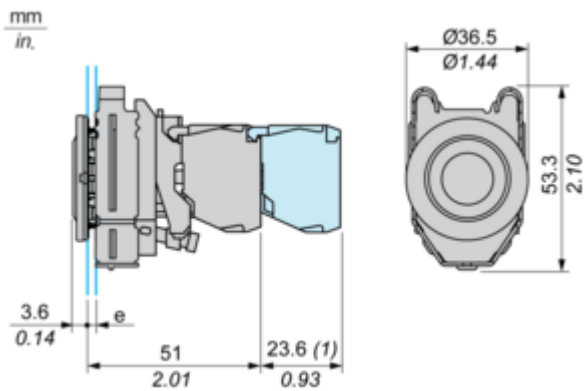
|   |                            |     |
|---|----------------------------|-----|
| ✓ | Reach Free Of Svhc         |     |
| ✓ | Toxic Heavy Metal Free     |     |
| ✓ | Mercury Free               |     |
| ✓ | Rohs Exemption Information | Yes |

Certifications & Standards

|                          |                                                                                                                             |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Reach Regulation         | <a href="#">REACH Declaration</a>                                                                                           |
| Eu Rohs Directive        | Pro-active compliance (Product out of EU RoHS legal scope)<br><a href="#">EU RoHS Declaration</a>                           |
| China Rohs Regulation    | <a href="#">China RoHS declaration</a>                                                                                      |
| Environmental Disclosure | <a href="#">Product Environmental Profile</a>                                                                               |
| Weee                     | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| Circularity Profile      | <a href="#">End of Life Information</a>                                                                                     |

Dimensions Drawings

Dimensions

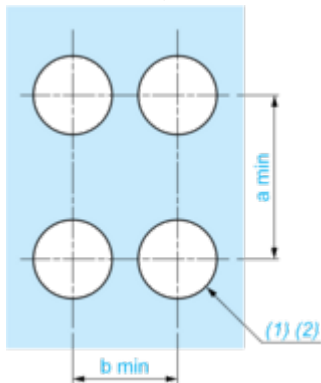


e : clamping thickness: 1 to 6 mm / 0.04 to 0.24 in.  
(1) : Additional row of contacts

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



- (1) : Diameter on finished panel or support
- (2) : Ø30.75 mm recommended ( $\text{Ø}30.5 \begin{smallmatrix} +0.5 \\ 0 \end{smallmatrix}$ ) / Ø1.21 in. recommended ( $\text{Ø}1.20 \text{ in.} \begin{smallmatrix} +0.0196 \\ 0 \end{smallmatrix}$ )

| Connections                                 | a in mm | a in in. | b in mm | b in in. |
|---------------------------------------------|---------|----------|---------|----------|
| By connectors                               | 50      | 1.97     | 40      | 1.57     |
| By connectors and with legend holder ZBZF32 | 50      | 1.97     | 40      | 1.57     |
| By connectors and with legend holder ZBZF33 | 60      | 2.36     | 40      | 1.57     |