

# Product datasheet

Specifications



Harmony XB4. Illuminated selector switch flush mounted. metal. green. Ø30. 2 positions.. stay put.. 24 V AC/DC 1 NO + 1 NC

XB4FK123B5

Price: 1,044.09 ZAR

## Main

|                               |                                                                                                                                                                      |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range Of Product              | Harmony XB4                                                                                                                                                          |
| Product Or Component Type     | Illuminated selector switch                                                                                                                                          |
| Device Short Name             | XB4F                                                                                                                                                                 |
| Bezel Material                | Chromium plated metal                                                                                                                                                |
| Fixing Collar Material        | Zamak                                                                                                                                                                |
| Head Type                     | Built-in-flush                                                                                                                                                       |
| Mounting Diamete              | 30.5 mm                                                                                                                                                              |
| Sale Per Indivisible Quantity | 1                                                                                                                                                                    |
| Shape Of Signaling Unit Head  | Round                                                                                                                                                                |
| Type Of Operator              | stay put                                                                                                                                                             |
| Operator Profile              | Green standard handle                                                                                                                                                |
| Operator Position Information | 2 positions 90°                                                                                                                                                      |
| Contacts Type And Composition | 1 NO + 1 NC                                                                                                                                                          |
| 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 mm² without cable end conforming to IEC 60947-1 |
| Light Source                  | Universal LED                                                                                                                                                        |
| Bulb Base                     | Integral LED                                                                                                                                                         |
| [Us] Rated Supply Voltage     | 24 V AC/DC at 50/60 Hz                                                                                                                                               |

## Complementary

|                                    |                                                      |
|------------------------------------|------------------------------------------------------|
| Height                             | 53 mm                                                |
| Width                              | 36.6 mm                                              |
| Depth                              | 69.5 mm                                              |
| Terminals Description Iso N°1      | (13-14)NO<br>(21-22)NC                               |
| Net Weight                         | 0.151 kg                                             |
| Resistance To High Pressure Washer | 7000000 Pa at 55 °C, distance : 0.1 m                |
| Device Mounting                    | Built-in - diameter: 30.75 mm +/- 0.25 mm            |
| Fixing Mode                        | By screws recommended torque: 0.8 N.m (0.8...1.2 Nm) |
| Contacts Usage                     | Standard contacts                                    |

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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

|                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Positive Opening                            | With NC contact conforming to IEC 60947-5-1 appendix K                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Operating Torque                            | 0.14 N.m NO changing electrical state                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Mechanical Durability                       | 1000000 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 EN 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 EN 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 EN 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 EN 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 EN 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                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Signalling Type                             | Steady                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Supply Voltage Limits                       | 19.2...30 V DC<br>21.6...26.4 V AC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Current Consumption                         | 18 mA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Service Life                                | 100000 h at rated voltage and 25 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Surge Withstand                             | 1 kV conforming to IEC 61000-4-5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Device Presentation                         | Complete product                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

## Environment

|                                       |                                                                                                                                                                                                                                                                  |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protective Treatment                  | TH                                                                                                                                                                                                                                                               |
| Ambient Air Temperature For Storage   | -40...70 °C                                                                                                                                                                                                                                                      |
| Ambient Air Temperature For Operation | -40...70 °C                                                                                                                                                                                                                                                      |
| Electrical Shock Protection Class     | Class I conforming to IEC 60536                                                                                                                                                                                                                                  |
| Ip Degree Of Protection               | IP66 conforming to IEC 60529<br>IP67 conforming to IEC 60529<br>IP69 conforming to IEC 60529<br>IP69K conforming to ISO 20653<br>Type 13 conforming to UL 50 E<br>Type 12 conforming to UL 50 E<br>Type 4 conforming to UL 50 E<br>Type 4X conforming to UL 50 E |
| Ik Degree Of Protection               | IK04 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>CE<br>JIS C8201-1                                                                                                                                                    |
| Product Certifications                | UL listed<br>CSA<br>CCC<br>EAC                                                                                                                                                                                                                                      |
| Vibration Resistance                  | 5 gn (f= 10...500 Hz) conforming to IEC 60068-2-6<br>2 mm peak to peak (f= 2...10 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<br>25 gn (duration = 6 ms) for 1000 shocks on each axis conforming to IEC 60068-2-27 |
| Resistance To Fast Transients         | 2 kV conforming to IEC 61000-4-4                                                                                                                                                                                                                                    |
| Resistance To Electromagnetic Fields  | 10 V/m conforming to IEC 61000-4-3                                                                                                                                                                                                                                  |
| Resistance To Electrostatic Discharge | 6 kV on contact (on metal parts) conforming to IEC 61000-4-2<br>8 kV in free air (in insulating parts) conforming to IEC 61000-4-2                                                                                                                                  |
| Electromagnetic Emission              | Class B conforming to IEC 55011                                                                                                                                                                                                                                     |

## Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type Of Package 1       | PCE       |
| Number Of Units In Package 1 | 1         |
| Package 1 Height             | 8.600 cm  |
| Package 1 Width              | 5.200 cm  |
| Package 1 Length             | 4.300 cm  |
| Package 1 Weight             | 136.000 g |
| Unit Type Of Package 2       | S03       |
| Number Of Units In Package 2 | 80        |
| Package 2 Height             | 30.000 cm |
| Package 2 Width              | 30.000 cm |
| Package 2 Length             | 40.000 cm |
| Package 2 Weight             | 11.448 kg |

Sustainability



**Green Premium™ label** is Schneider Electric’s commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> 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

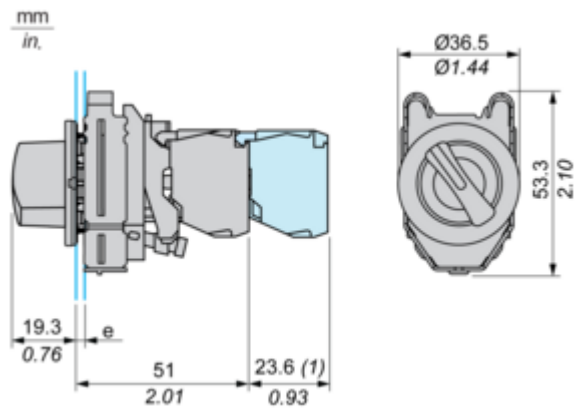
|                                         |     |
|-----------------------------------------|-----|
| <div>✓</div> Mercury Free               |     |
| <div>✓</div> Rohs Exemption Information | Yes |

Certifications & Standards

|                          |                                                                                                                             |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Reach Regulation         | <a href="#">REACH Declaration</a>                                                                                           |
| Eu Rohs Directive        | Pro-active compliance (Product out of EU RoHS legal scope)                                                                  |
| 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

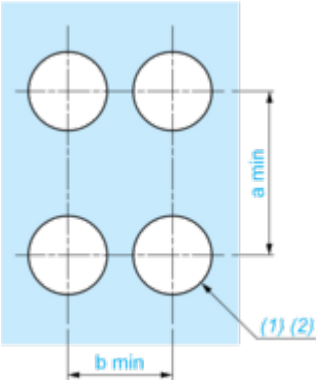


e : clamping thickness: 1 to 6 mm / 0.04 to 0.24 in.  
(1) : Additional row of contacts

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     |