

# Product data sheet

Specifications



Selector switch flush mounted,  
Harmony XB4, metal, black, 30mm,  
2 positions, stay put, 1NO

XB4FD21

Product availability: Stock - Normally stocked in distribution facility

## Main

|                               |                                                                                                                                          |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Range of Product              | Harmony XB4                                                                                                                              |
| Product or Component Type     | Selector switch                                                                                                                          |
| Device short name             | XB4F                                                                                                                                     |
| Bezel material                | Chromium plated metal                                                                                                                    |
| Fixing collar material        | Zamak                                                                                                                                    |
| Mounting diameter             | 1.2 in (30.5 mm)                                                                                                                         |
| Sale per indivisible quantity | 1                                                                                                                                        |
| Head type                     | Built-in-flush                                                                                                                           |
| Shape of signaling unit head  | Round                                                                                                                                    |
| Type of operator              | stay put                                                                                                                                 |
| Operator profile              | Black standard handle                                                                                                                    |
| Operator position information | 2 positions 90°                                                                                                                          |
| Contacts type and composition | 1 NO                                                                                                                                     |
| Contact operation             | Slow-break                                                                                                                               |
| Connections - terminals       | Screw clamp terminals, <= 2 x 1.5 mm² with cable end IEC 60947-1<br>Screw clamp terminals, >= 1 x 0.22 mm² without cable end IEC 60947-1 |

## Complementary

|                                    |                                                     |
|------------------------------------|-----------------------------------------------------|
| Height                             | 1.9 in (47 mm)                                      |
| Width                              | 1.4 in (36.6 mm)                                    |
| Depth                              | 2.8 in (70 mm)                                      |
| Terminals description ISO n°1      | (13-14)NO                                           |
| Product Weight                     | 0.209 lb(US) (0.095 kg)                             |
| Resistance to high pressure washer | 1015.3 psi (7000000 Pa) 131 °F (55 °C) 0.1 m        |
| Device mounting                    | Built-in                                            |
| Fixing center                      | 40 x 50 mm 1...6 mm thick panel)                    |
| Fixing mode                        | By screws                                           |
| Contacts usage                     | Standard contacts                                   |
| Positive opening                   | Without                                             |
| Torque value                       | 1.24 lbf.in (0.14 N.m) NO changing electrical state |
| Mechanical durability              | 1000000 cycles                                      |
| Tightening torque                  | 7.08...10.6 lbf.in (0.8...1.2 N.m) IEC 60947-1      |

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

|                                             |                                                                                                                                                                                                                                                                                                                                                                                       |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Shape of screw head                         | Cross Philips no 1<br>Cross pozidriv No 1<br>Slotted flat Ø 4 mm<br>Slotted flat Ø 5.5 mm                                                                                                                                                                                                                                                                                             |
| Contacts material                           | Silver alloy (Ag/Ni)                                                                                                                                                                                                                                                                                                                                                                  |
| Short-circuit protection                    | 10 A cartridge fuse gG IEC 60947-5-1                                                                                                                                                                                                                                                                                                                                                  |
| [Ith] conventional free air thermal current | 10 A IEC 60947-5-1                                                                                                                                                                                                                                                                                                                                                                    |
| [Ui] rated insulation voltage               | 600 V 3)IEC 60947-1                                                                                                                                                                                                                                                                                                                                                                   |
| [Uimp] rated impulse withstand voltage      | 6 kV IEC 60947-1                                                                                                                                                                                                                                                                                                                                                                      |
| [Ie] rated operational current              | 3 A 240 V, AC-15, A600 IEC 60947-5-1<br>6 A 120 V, AC-15, A600 IEC 60947-5-1<br>0.1 A 600 V, DC-13, Q600 IEC 60947-5-1<br>0.27 A 250 V, DC-13, Q600 IEC 60947-5-1<br>0.55 A 125 V, DC-13, Q600 IEC 60947-5-1<br>1.2 A 600 V, AC-15, A600 IEC 60947-5-1                                                                                                                                |
| Electrical durability                       | 1000000 cycles, AC-15, 2 A 230 V 3600 cyc/h 0.5 EN 60947-5-1 appendix C<br>1000000 cycles, AC-15, 3 A 120 V 3600 cyc/h 0.5 EN 60947-5-1 appendix C<br>1000000 cycles, AC-15, 4 A 24 V 3600 cyc/h 0.5 EN 60947-5-1 appendix C<br>1000000 cycles, DC-13, 0.2 A 110 V 3600 cyc/h 0.5 EN 60947-5-1 appendix C<br>1000000 cycles, DC-13, 0.5 A 24 V 3600 cyc/h 0.5 EN 60947-5-1 appendix C |
| Electrical reliability                      | $\Lambda < 10\exp(-6)$ 5 V 1 mA in clean environment IEC 60947-5-4<br>$\Lambda < 10\exp(-8)$ 17 V 5 mA in clean environment IEC 60947-5-4                                                                                                                                                                                                                                             |
| Device presentation                         | Complete product                                                                                                                                                                                                                                                                                                                                                                      |

## Environment

|                                       |                                                                                                                                                                           |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protective treatment                  | TH                                                                                                                                                                        |
| Ambient Air Temperature for Storage   | -40...158 °F (-40...70 °C)                                                                                                                                                |
| Ambient Air Temperature for Operation | -40...158 °F (-40...70 °C)                                                                                                                                                |
| Overvoltage category                  | Class I conforming to IEC 60536                                                                                                                                           |
| IP degree of protection               | IP66 IEC 60529<br>IP67 IEC 60529<br>IP69 IEC 60529<br>IP69K ISO 20653<br>Type 13 UL 50 E<br>Type 12 UL 50 E<br>Type 4 UL 50 E<br>Type 4X 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 18 ms) half sine wave acceleration IEC 60068-2-27<br>50 gn 11 ms) half sine wave acceleration IEC 60068-2-27<br>25 gn 6 ms) 1000 shocks on each axis IEC 60068-2-27 |

## Ordering and shipping details

|                   |               |
|-------------------|---------------|
| Category          | US10CS222473  |
| Discount Schedule | 0CS2          |
| GTIN              | 3606489580155 |
| Returnability     | Yes           |
| Country of origin | FR            |

## Packing Units

|                              |                           |
|------------------------------|---------------------------|
| Unit Type of Package 1       | PCE                       |
| Nbr. of units in pkg.        | 1                         |
| Package 1 Height             | 1.7 in (4.3 cm)           |
| Package 1 Width              | 2.05 in (5.2 cm)          |
| Package 1 Length             | 3.4 in (8.6 cm)           |
| Package weight(Lbs)          | 4.3 oz (121.0 g)          |
| Unit Type of Package 2       | BB1                       |
| Number of Units in Package 2 | 5                         |
| Package 2 Height             | 1.7 in (4.3 cm)           |
| Package 2 Width              | 3.4 in (8.6 cm)           |
| Package 2 Length             | 10.4 in (26.5 cm)         |
| Package 2 Weight             | 21.5 oz (610.0 g)         |
| Unit Type of Package 3       | S03                       |
| Number of Units in Package 3 | 80                        |
| Package 3 Height             | 11.8 in (30.0 cm)         |
| Package 3 Width              | 11.8 in (30.0 cm)         |
| Package 3 Length             | 15.7 in (40.0 cm)         |
| Package 3 Weight             | 22.646 lb(US) (10.272 kg) |

## Contractual warranty

|                      |    |
|----------------------|----|
| Warranty (in months) | 18 |
|----------------------|----|

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

|  Environmental footprint |                                               |
|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| Total lifecycle Carbon footprint                                                                          | 1 kg CO2 eq.                                  |
| Carbon footprint of the manufacturing phase [A1 to A3]                                                    | 0.8 kg CO2 eq.                                |
| Carbon footprint of the distribution phase [A4]                                                           | 0 kg CO2 eq.                                  |
| Carbon footprint of the installation phase [A5]                                                           | 0 kg CO2 eq.                                  |
| Carbon footprint of the use phase [B2, B3, B4, B6]                                                        | 0.1 kg CO2 eq.                                |
| Carbon footprint of the end-of-life phase [C1 to C4]                                                      | 0.1 kg CO2 eq.                                |
| Environmental Disclosure                                                                                  | <a href="#">Product Environmental Profile</a> |

Use Better

|  Materials and Substances |                                                                                                                                                                                                                                                                                              |
|-------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Average percentage of recycled plastic content                                                              | 49 %                                                                                                                                                                                                                                                                                         |
| Average percentage of recycled metal content                                                                | 19 %                                                                                                                                                                                                                                                                                         |
| Packaging made with recycled cardboard                                                                      | Yes                                                                                                                                                                                                                                                                                          |
| Packaging without single use plastic                                                                        | Yes                                                                                                                                                                                                                                                                                          |
| EU RoHS Directive                                                                                           | <a href="#">Compliant</a>                                                                                                                                                                                                                                                                    |
| REACH Regulation                                                                                            | <a href="#">Free of Substances of Very High Concern above the threshold</a>                                                                                                                                                                                                                  |
| California proposition 65                                                                                   | <b>WARNING:</b> This product can expose you to chemicals including: Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |

Use Longer

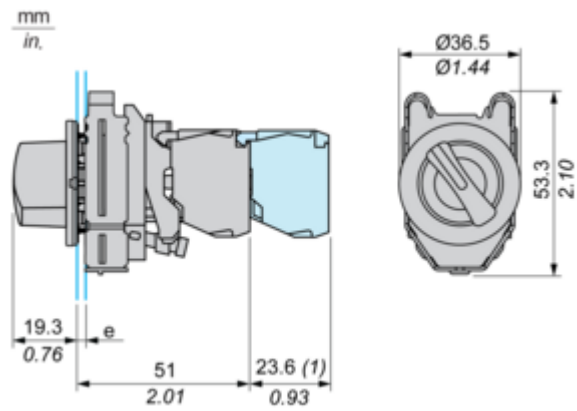
|  Lifetime extension |                   |
|--------------------------------------------------------------------------------------------------------|-------------------|
| Repair                                                                                                 | No                |
| Product reparability index                                                                             | <a href="#">A</a> |

Use Again

|  Repack and remanufacture |                                                                                                                                                                                                                  |
|--------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Circularity Profile                                                                                          | <a href="#">End of Life Information</a>                                                                                                                                                                          |
| Take-back                                                                                                    | No                                                                                                                                                                                                               |
| WEEE Label                                                                                                   |  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |

Dimensions Drawings

Dimensions

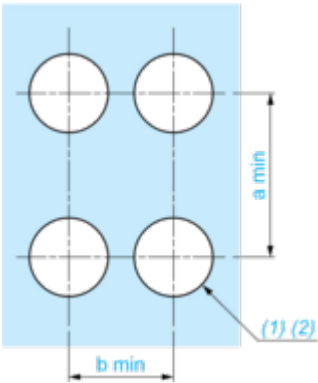


e : clamping thickness: 1 to 6 mm / 0.04 to 0.24 in.  
(1) : Additional row of contacts

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

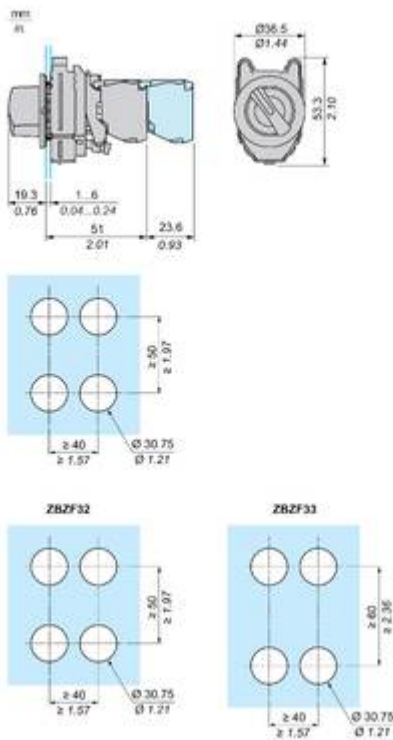


- (1) : Diameter on finished panel or support
- (2) : Ø30.75 mm recommended ( $\text{Ø}30.5 \begin{smallmatrix} +0.5 \\ 0 \end{smallmatrix}$ ) / Ø1.21 in. recommended ( $\text{Ø}1.20 \text{ in.} \begin{smallmatrix} +0.0196 \\ 0 \end{smallmatrix}$ )

| 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     |

Technical Illustration

Dimensions



Offer Marketing Illustration

Product benefits / Features

### Features

Harmony XB4



Quick and easy assembly and disassembly



Various types of connection: screw clamp, connector, Faston connector, spring terminal, or printed circuit board



Excellent mechanical connection with operator head



Large set of accessories to customize your panels



Robustness to withstand harsh environments



Offer Marketing Illustration

Product benefits / Features

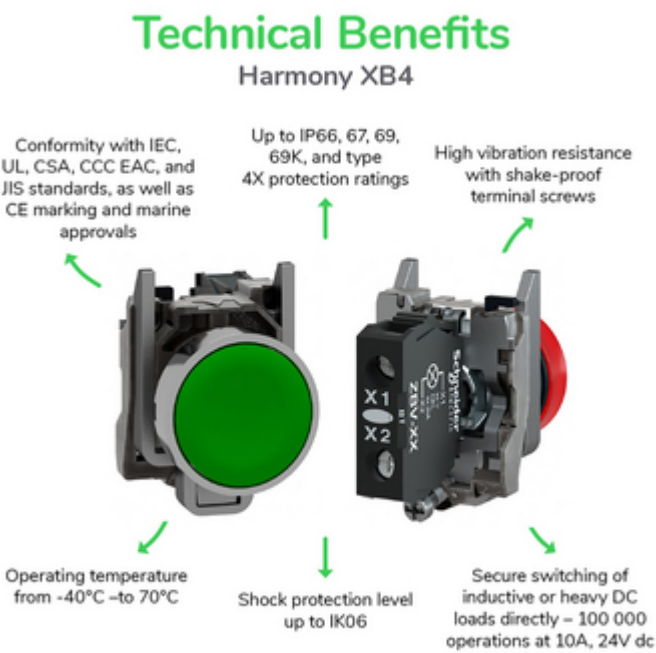


Image of product / Alternate images

Alternative

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