# Product data sheet

Specifications



## Selector switch flush mounted, Harmony XB4, metal, black, 30mm, 3 positions, spring return to center, 2NO

XB4FD53

**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** | To centre spring return |
| **Operator profile** | Black standard handle |
| **Operator position information** | 3 positions +/- 45° |
| **Contacts type and composition** | 2 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<br>(23-24)NO |
| **Net Weight** | 0.231 lb(US) (0.105 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 |

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

| | |
|---|---|
| **Mechanical durability** | 1000000 cycles |
| **Tightening torque** | 7.08…10.6 lbf.in (0.8…1.2 N.m) IEC 60947-1 |
| **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** | Λ < 10exp(-6) 5 V 1 mA in clean environment IEC 60947-5-4<br>Λ < 10exp(-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** | US10CS222468 |
| **Discount Schedule** | 0CS2 |
| **GTIN** | 3606489580193 |
| **Returnability** | Yes |
| **Country of origin** | FR |

## Packing Units

| | |
|---|---|
| **Unit Type of Package 1** | PCE |
| **Nbr. of units in pkg.** | 1 |
| **Package 1 Height** | 3.425 in (8.700 cm) |
| **Package 1 Width** | 1.693 in (4.300 cm) |
| **Package 1 Length** | 2.047 in (5.200 cm) |
| **Package weight(Lbs)** | 4.586 oz (130.000 g) |
| **Unit Type of Package 2** | S03 |
| **Number of Units in Package 2** | 80 |
| **Package 2 Height** | 11.8 in (30 cm) |
| **Package 2 Width** | 11.8 in (30 cm) |
| **Package 2 Length** | 15.7 in (40 cm) |
| **Package 2 Weight** | 24.233 lb(US) (10.992 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] | **0.9 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.** |

## 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 | **Compliant** |
| REACh Regulation | **Free of Substances of Very High Concern above the threshold** |
| California proposition 65 | **WARNING: 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 www.P65Warnings.ca.gov** |

## Use Longer

### Lifetime extension

| | |
|---|---|
| Product repairability index | **A** |

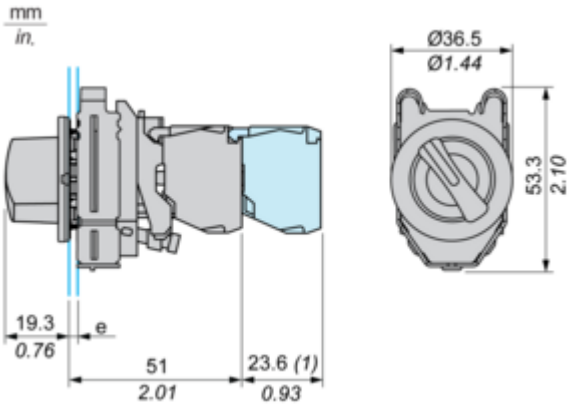
## Use Again

### Repack and remanufacture

| | |
|---|---|
| Circularity Profile | **End of Life Information** |
| 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

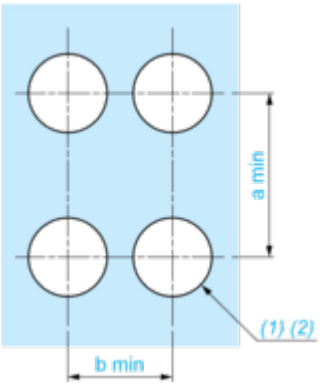



**e :** clamping thickness: 1 to 6 mm / 0.04 to 0.24 in.
**(1) :** Additional row of contacts

## 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



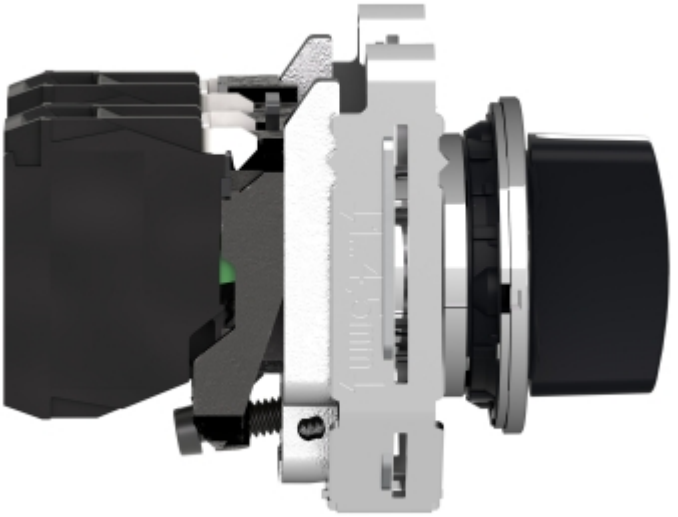

**(1) :** Diameter on finished panel or support

**(2) :** Ø30.75 mm recommended (Ø30.5 $_{0}^{+0.5}$) / Ø1.21 in. recommended (Ø1.20 in. $_{0}^{+0.0196}$)

| 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 |

Image of product / Alternate images

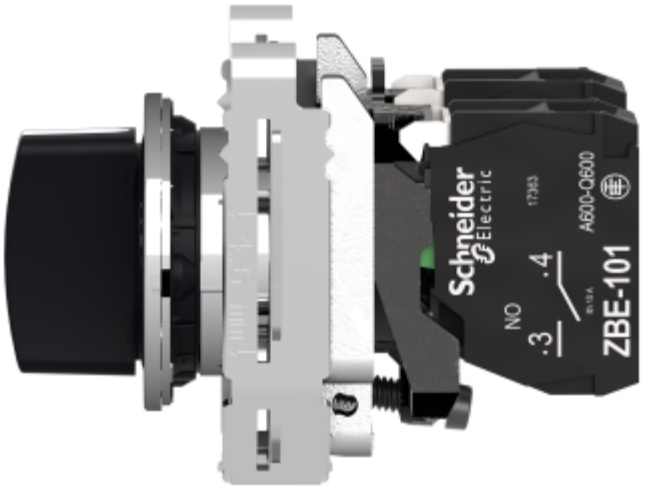
**Alternative**






NC 1
2
NC 1
2




Schneider Electric
17383
A600-Q600
NO
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ZBE-101

