

# Product data sheet

Specifications



Illuminated push button, Harmony XB4, metal, red flush mounted, 30mm, universal LED, plain lens, 1NO + 1NC, 24V AC DC

XB4FW34B5

**Important message: A change in appearance may be noted on the product but does not affect its use in terms of function and safety. This makes it compatible with our Universal LED blocks**

## Main

|                                 |  |
|---------------------------------|--|
| Range of product                | Harmony XB4  |
| Product or component type       | Illuminated push-button  |
| Device short name               | XB4F   |
| Bezel material                  | Chromium plated metal  |
| Fixing collar material          | Zamak  |
| Mounting diameter               | 30.5 mm  |
| Sale per indivisible quantity   | 1  |
| Head type                       | Built-in-flush   |
| Shape of signaling unit head    | Round  |
| Type of operator                | spring return  |
| Operator profile                | Red flush  |
| Operator additional information | With plain lens  |
| Contacts type and composition   | 1 NO + 1 NC  |
| Contact operation               | Slow-break   |
| Connections - terminals         | Screw clamp terminals, $\leq 2 \times 1.5 \text{ mm}^2$ with cable end conforming to IEC 60947-1<br>Screw clamp terminals, $1 \times 0.22 \dots 2 \times 2.5 \text{ mm}^2$ 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                             | 47 mm                                 |
| Width                              | 36.6 mm                               |
| Depth                              | 55 mm                                 |
| Terminals description ISO n°1      | (13-14)NO<br>(21-22)NC                |
| Net weight                         | 0.132 kg                              |
| Resistance to high pressure washer | 7000000 Pa at 55 °C, distance : 0.1 m |
| Device mounting                    | Built-in                              |
| Fixing mode                        | By screws recommended torque: 0.8 N.m |

|   |  |
|---|--|
| <b>Contacts usage</b>   | Standard contacts  |
| <b>Positive opening</b>                                       | With conforming to IEC 60947-5-1 appendix K  |
| <b>Operating travel</b>                                       | 1.5 mm (NC changing electrical state)<br>2.6 mm (NO changing electrical state)<br>4.3 mm (total travel)  |
| <b>Operating force</b>  | 3.5 N NC changing electrical state<br>3.8 N  |
| <b>Mechanical durability</b>                                  | 10000000 cycles  |
| <b>Tightening torque</b>                                      | 0.8...1.2 N.m conforming to IEC 60947-1  |
| <b>Shape of screw head</b>                                    | 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  |
| <b>Contacts material</b>                                      | Silver alloy (Ag/Ni)   |
| <b>Short-circuit protection</b>                               | 10 A cartridge fuse type gG conforming to IEC 60947-5-1  |
| <b>[I<sub>th</sub>] conventional free air thermal current</b> | 10 A conforming to IEC 60947-5-1   |
| <b>[U<sub>i</sub>] rated insulation voltage</b>               | 600 V (pollution degree 3) conforming to IEC 60947-1   |
| <b>[U<sub>imp</sub>] rated impulse withstand voltage</b>      | 6 kV conforming to IEC 60947-1   |
| <b>[I<sub>e</sub>] rated operational current</b>              | 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   |
| <b>Electrical durability</b>                                  | 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 |
| <b>Electrical reliability</b>                                 | $\Lambda < 10\exp(-6)$ 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  |
| <b>Signalling type</b>  | Steady   |
| <b>Current consumption</b>                                    | 18 mA  |
| <b>Service life</b>   | 100000 h at rated voltage and 25 °C  |
| <b>Surge withstand</b>  | 1 kV conforming to IEC 61000-4-5   |
| <b>Supply voltage limits</b>                                  | 19.2...30 V DC<br>21.6...26.4 V AC   |
| <b>Device presentation</b>                                    | Complete product   |

## Environment

|  |                                 |
|--|---------------------------------|
| <b>Protective treatment</b>                  | TH                              |
| <b>Ambient air temperature for storage</b>   | -40...70 °C                     |
| <b>Ambient air temperature for operation</b> | -40...70 °C                     |
| <b>Electrical shock protection class</b>     | Class I conforming to IEC 60536 |

|  |   |
|--|---|
| <b>IP degree of protection</b>               | 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    |
| <b>IK degree of protection</b>               | IK06 conforming to IEC 50102  |
| <b>Standards</b>                             | 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  |
| <b>Product certifications</b>                | UL listed<br>CSA<br>CCC<br>EAC  |
| <b>Vibration resistance</b>                  | 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   |
| <b>Shock resistance</b>                      | 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 |
| <b>Resistance to fast transients</b>         | 2 kV conforming to IEC 61000-4-4  |
| <b>Resistance to electromagnetic fields</b>  | 10 V/m conforming to IEC 61000-4-3  |
| <b>Resistance to electrostatic discharge</b> | 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  |
| <b>Electromagnetic emission</b>              | Class B conforming to IEC 55011   |

## Packing Units

|                                     |           |
|-------------------------------------|-----------|
| <b>Unit Type of Package 1</b>       | PCE       |
| <b>Number of Units in Package 1</b> | 1         |
| <b>Package 1 Height</b>             | 8.6 cm    |
| <b>Package 1 Width</b>              | 5.2 cm    |
| <b>Package 1 Length</b>             | 4.3 cm    |
| <b>Package 1 Weight</b>             | 127 g     |
| <b>Unit Type of Package 2</b>       | S03       |
| <b>Number of Units in Package 2</b> | 80        |
| <b>Package 2 Height</b>             | 30 cm     |
| <b>Package 2 Width</b>              | 30 cm     |
| <b>Package 2 Length</b>             | 40 cm     |
| <b>Package 2 Weight</b>             | 10.631 kg |

## Contractual warranty

|                 |           |
|-----------------|-----------|
| <b>Warranty</b> | 18 months |
|-----------------|-----------|



## 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 2

Environmental Disclosure [Product Environmental Profile](#)

## Use Better

### Materials and Substances

Packaging made with recycled cardboard Yes

Packaging without single use plastic Yes

[EU RoHS Directive](#) Pro-active compliance (Product out of EU RoHS legal scope)

SCIP Number 425812e5-011f-4fb4-ad1b-fc9cf9865300

REACH Regulation [REACH Declaration](#)

California proposition 65 **WARNING:** This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

## Use Again

### Repack and remanufacture

End of life manual availability [End of Life Information](#)

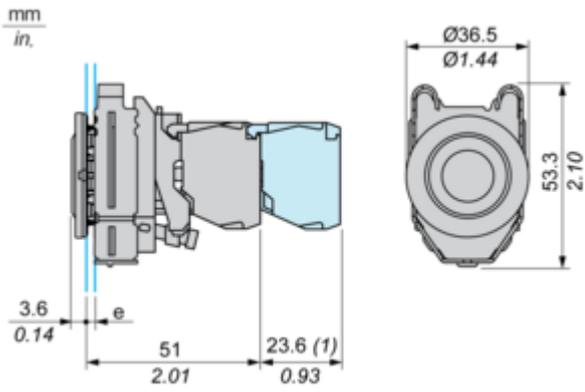
Take-back No

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

---



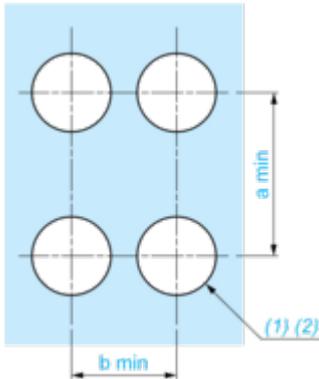
e : clamping thickness: 1 to 6 mm / 0.04 to 0.24 in.  
(1) : Additional row of contacts

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) :  $\varnothing 30.75$  mm recommended ( $\varnothing 30.5 \begin{smallmatrix} +0.5 \\ 0 \end{smallmatrix}$ ) /  $\varnothing 1.21$  in. recommended ( $\varnothing 1.20$  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     |



Image of product / Alternate images

Alternative

---

