

# Product datasheet

Specifications



Emergency stop push button,  
Harmony XB4, metal, red mushroom  
40mm, 22mm, trigger latching key  
release, 1NC

XB4BS9442

## Main

|                               |  |
|-------------------------------|--|
| Range of product              | Harmony XB4  |
| Product or component type     | Emergency stop push-button<br>Emergency switching off push-button  |
| Device short name             | XB4  |
| Bezel material                | Chromium plated metal  |
| Fixing collar material        | Zamak  |
| Mounting diameter             | 22.5 mm  |
| Sale per indivisible quantity | 1  |
| Shape of signaling unit head  | Round  |
| Type of operator              | trigger action and mechanical latching   |
| Head type                     | Standard   |
| Reset                         | Key release  |
| Operator profile              | Red mushroom Ø 40 mm, unmarked   |
| Type of keylock               | Key 455  |
| Key withdrawal position       | Center   |
| 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, $\geq 1 \times 0.22 \text{ mm}^2$ without cable end conforming to IEC 60947-1 |

## Complementary

|                                    |  |
|------------------------------------|--|
| Height                             | 47 mm  |
| Width                              | 40 mm  |
| Depth                              | 104 mm   |
| Terminals description ISO n°1      | (21-22)NC  |
| Net weight                         | 0.133 kg   |
| Resistance to high pressure washer | 7000000 Pa at 55 °C, distance : 0.1 m                          |
| Contacts type and composition      | 1 NC   |
| Contacts usage                     | Standard contacts  |
| Positive opening                   | With conforming to IEC 60947-5-1 appendix K                    |
| Operating travel                   | 1.5 mm (NC changing electrical state)<br>4.3 mm (total travel) |
| Mechanical durability              | 300000 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>[Ith] conventional free air thermal current</b> | 10 A conforming to IEC 60947-5-1   |
| <b>[Ui] rated insulation voltage</b>               | 600 V (pollution degree 3) conforming to IEC 60947-1   |
| <b>[Uimp] rated impulse withstand voltage</b>      | 6 kV conforming to IEC 60947-1   |
| <b>[Ie] 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>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<br>IP69<br>IP69K   |
| <b>NEMA degree of protection</b>             | NEMA 13<br>NEMA 4X  |
| <b>IK degree of protection</b>               | IK03 conforming to IEC 50102  |
| <b>Standards</b>                             | IEC 60947-1<br>IEC 60947-5-5<br>JIS C8201-5-1<br>IEC 60947-5-4<br>IEC 60364-5-53<br>IEC 60204-1<br>UL 508<br>IEC 60947-5-1<br>CSA C22.2 No 14<br>ISO 13850<br>JIS C8201-1 |
| <b>Product certifications</b>                | CSA<br>LROS (Lloyds register of shipping)<br>BV<br>UL listed<br>DNV   |

|                             |  |
|-----------------------------|--|
| <b>Vibration resistance</b> | 5 gn (f= 2...500 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 |

## Packing Units

|                                     |            |
|-------------------------------------|------------|
| <b>Unit Type of Package 1</b>       | PCE        |
| <b>Number of Units in Package 1</b> | 1          |
| <b>Package 1 Height</b>             | 9.000 cm   |
| <b>Package 1 Width</b>              | 5.300 cm   |
| <b>Package 1 Length</b>             | 4.300 cm   |
| <b>Package 1 Weight</b>             | 151.000 g  |
| <b>Unit Type of Package 2</b>       | S03        |
| <b>Number of Units in Package 2</b> | 80         |
| <b>Package 2 Height</b>             | 30.000 cm  |
| <b>Package 2 Width</b>              | 30.000 cm  |
| <b>Package 2 Length</b>             | 40.000 cm  |
| <b>Package 2 Weight</b>             | 12.572 kg  |
| <b>Unit Type of Package 3</b>       | P06        |
| <b>Number of Units in Package 3</b> | 640        |
| <b>Package 3 Height</b>             | 75.000 cm  |
| <b>Package 3 Width</b>              | 60.000 cm  |
| <b>Package 3 Length</b>             | 80.000 cm  |
| <b>Package 3 Weight</b>             | 110.204 kg |

## Logistical informations

|                          |    |
|--------------------------|----|
| <b>Country of origin</b> | CZ |
|--------------------------|----|



## 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

Carbon footprint (kg.eq.CO2 per CR, Total Life cycle) 1

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 70419cd7-c760-46b8-87e9-92c66dfe6f15

REACH Regulation [REACH Declaration](#)

## Use Again

### Repack and remanufacture

Circularity Profile [End of Life Information](#)

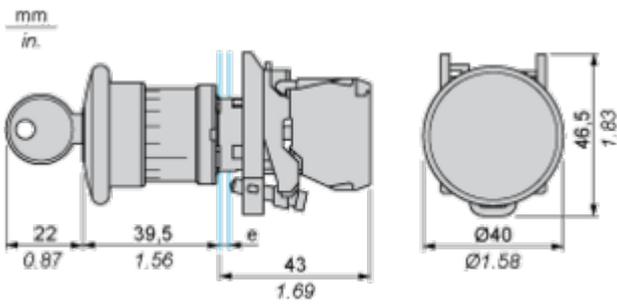
Take-back No

WEEE  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Dimensions Drawings

Dimensions

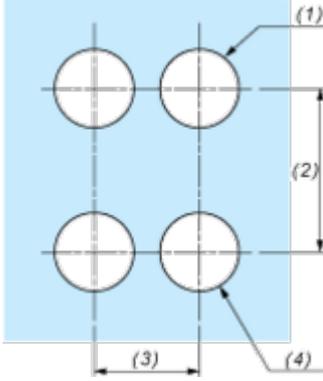
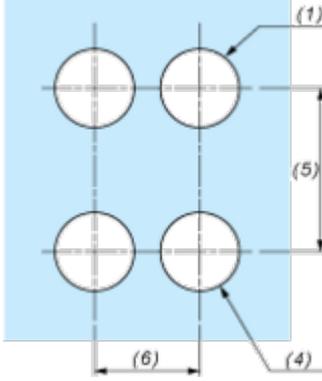
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e : clamping thickness: 1 to 6 mm / 0.04 to 0.24 in.

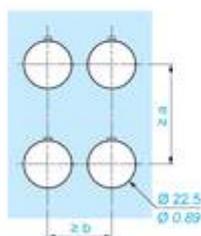
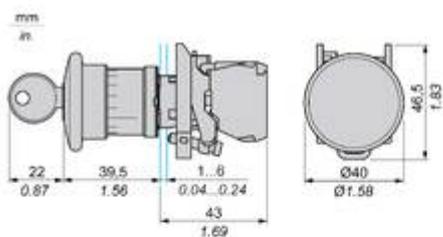
Mounting and Clearance

Panel Cut-out for Pushbuttons, Switches and Pilot Lights (Finished Holes, Ready for Installation)

| Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board   | Connection by Faston Connectors  |
|---|--|
|    |  |
| <p>(1) Diameter on finished panel or support<br/>                 (2) 40 mm min. / 1.57 in. min.<br/>                 (3) 30 mm min. / 1.18 in. min.<br/>                 (4) <math>\varnothing 22.5 \text{ mm} / 0.89 \text{ in. recommended } (\varnothing 22.3 \text{ mm }_0^{+0.4} / 0.88 \text{ in. }_0^{+0.016})</math><br/>                 (5) 45 mm min. / 1.78 in. min.<br/>                 (6) 32 mm min. / 1.26 in. min.</p> |  |

Technical Illustration

Dimensions

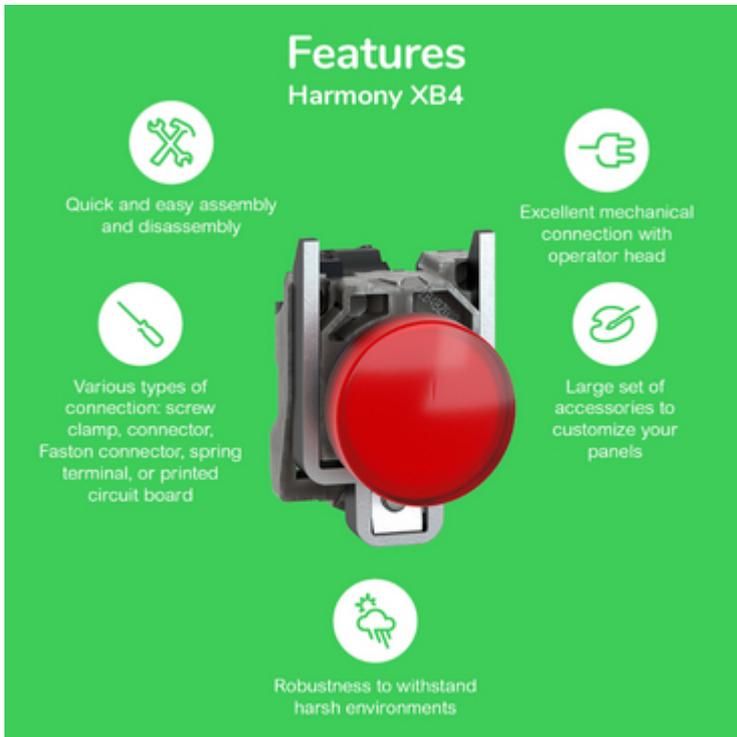


|           |           | a (mm) | a (in.) | b (mm) | b (in.) |
|-----------|-----------|--------|---------|--------|---------|
|           |           | 40     | 1.57    | 30     | 1.18    |
| ZBE.....  | ZBV.....  |        |         |        |         |
|           |           | 45     | 1.77    | 32     | 1.26    |
| ZBE.....3 | ZBV.....3 |        |         |        |         |
|           |           | 40     | 1.57    | 30     | 1.18    |
| ZBE.....4 | ZBV.....4 |        |         |        |         |
|           |           | 50     | 1.97    | 30     | 1.18    |
| ZBE.....5 | ZBV.....5 |        |         |        |         |
|           |           | 40     | 1.57    | 30     | 1.18    |
| ZBE.....9 | ZBV.....9 |        |         |        |         |
|           |           | 40     | 1.57    | 30     | 1.18    |
| ZBRT•     | ZBRV1     |        |         |        |         |

Offer Marketing Illustration

Product benefits / Features

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The infographic features a central image of a red push-button switch. Surrounding it are five circular icons, each with a corresponding text description of a feature. The background is a solid green color.

### 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

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## Technical Benefits

### Harmony XB4

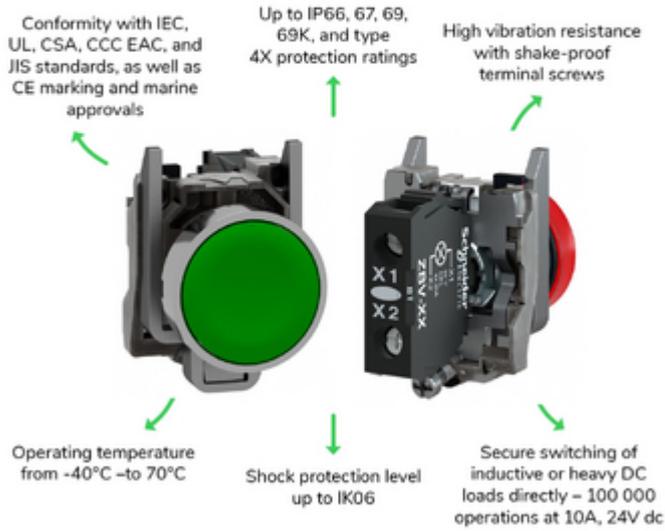


Image of product / Alternate images

Alternative

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