

Product data sheet

Specifications



Push button, Harmony XB4, metal, flush, blue, 22mm, spring return, unmarked, 1NO

XB4BA61

Product availability: Stock - Normally stocked in distribution facility

Main

| | |
|-------------------------------|---|
| Range of Product | Harmony XB4 |
| Device short name | XB4 |
| Product or Component Type | Push-button |
| Bezel material | Chromium plated metal |
| Fixing collar material | Zamak |
| Mounting diameter | 0.9 in (22.5 mm) |
| Sale per indivisible quantity | 1 |
| Shape of signaling unit head | Round |
| Type of operator | spring return |
| Operator profile | Blue flush, unmarked |
| Head type | Standard |
| Contacts type and composition | 1 NO |
| Contact operation | Slow-break |
| Connections - terminals | Screw clamp terminals, <= 2 x 1.5 mm ² with cable end IEC 60947-1 Screw clamp terminals, 1 x 0.22...2 x 2.5 mm ² without cable end IEC 60947-1 |

Complementary

| | |
|------------------------------------|--|
| Height | 1.9 in (47 mm) |
| Width | 1.2 in (30 mm) |
| Depth | 2.05 in (52 mm) |
| Terminals description ISO n°1 | (13-14)NO |
| Net Weight | 0.18 lb(US) (0.08 kg) |
| Resistance to high pressure washer | 1015.3 psi (7000000 Pa) 131 °F (55 °C) 0.1 m |
| Contacts usage | Standard contacts |
| Positive opening | Without |
| Operating travel | 0.1 in (2.6 mm) NO changing electrical state 0.2 in (4.3 mm) total travel |
| Operating force | 3.8 N NO changing electrical state |
| Mechanical durability | 10000000 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.

| | |
|---|--|
| Shape of screw head | Cross Philips no 1 Cross pozidriv No 1 Slotted flat Ø 4 mm Slotted flat Ø 5.5 mm |
| Contacts material | Silver alloy (Ag/Ni) |
| Short-circuit protection | 10 A cartridge fuse gG IEC 60947-5-1 |
| [I_{th}] conventional free air thermal current | 10 A IEC 60947-5-1 |
| [U_i] rated insulation voltage | 600 V 3)IEC 60947-1 |
| [U_{imp}] rated impulse withstand voltage | 6 kV IEC 60947-1 |
| [I_e] rated operational current | 3 A 240 V, AC-15, A600 IEC 60947-5-1 6 A 120 V, AC-15, A600 IEC 60947-5-1 0.1 A 600 V, DC-13, Q600 IEC 60947-5-1 0.27 A 250 V, DC-13, Q600 IEC 60947-5-1 0.55 A 125 V, DC-13, Q600 IEC 60947-5-1 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 IEC 60947-5-1 appendix C 1000000 cycles, AC-15, 3 A 120 V 3600 cyc/h 0.5 IEC 60947-5-1 appendix C 1000000 cycles, AC-15, 4 A 24 V 3600 cyc/h 0.5 IEC 60947-5-1 appendix C 1000000 cycles, DC-13, 0.2 A 110 V 3600 cyc/h 0.5 IEC 60947-5-1 appendix C 1000000 cycles, DC-13, 0.5 A 24 V 3600 cyc/h 0.5 IEC 60947-5-1 appendix C |
| Electrical reliability | Λ < 10 ^{exp(-6)} 5 V 1 mA in clean environment IEC 60947-5-4 Λ < 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 IP67 IP69 IP69K |
| NEMA degree of protection | NEMA 13 NEMA 4X |
| IK degree of protection | IK06 conforming to IEC 50102 |
| Standards | JIS C8201-5-1 IEC 60947-5-1 IEC 60947-1 UL 508 IEC 60947-5-4 IEC 60947-5-5 CSA C22.2 No 14 JIS C8201-1 |
| Product Certifications | CSA LROS (Lloyds register of shipping) BV UL Listed DNV |
| Vibration resistance | 5 gn (f= 2...500 Hz) conforming to IEC 60068-2-6 |
| Shock resistance | 30 gn 18 ms) half sine wave acceleration IEC 60068-2-27 50 gn 11 ms) half sine wave acceleration IEC 60068-2-27 |

Ordering and shipping details

| | |
|-----------------|--------------|
| Category | US10CS222468 |
|-----------------|--------------|

| | |
|-------------------|---------------|
| Discount Schedule | 0CS2 |
| GTIN | 3389110118438 |
| Returnability | Yes |
| Country of origin | FR |

Packing Units

| | |
|------------------------------|-----------------------------|
| Unit Type of Package 1 | PCE |
| Nbr. of units in pkg. | 1 |
| Package 1 Height | 3.46 in (8.800 cm) |
| Package 1 Width | 1.34 in (3.400 cm) |
| Package 1 Length | 2.13 in (5.400 cm) |
| Package weight(Lbs) | 2.787 oz (79.000 g) |
| Unit Type of Package 2 | S03 |
| Number of Units in Package 2 | 150 |
| Package 2 Height | 11.81 in (30.000 cm) |
| Package 2 Width | 11.81 in (30.000 cm) |
| Package 2 Length | 15.75 in (40.000 cm) |
| Package 2 Weight | 27.514 lb(US) (12.480 kg) |
| Unit Type of Package 3 | P06 |
| Number of Units in Package 3 | 1200 |
| Package 3 Height | 29.53 in (75.000 cm) |
| Package 3 Width | 23.62 in (60.000 cm) |
| Package 3 Length | 31.50 in (80.000 cm) |
| Package 3 Weight | 238.849 lb(US) (108.340 kg) |

Contractual warranty

| | |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|



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 CO₂ eq, 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)**

REACH Regulation [REACH Declaration](#)

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 Again

Repack and remanufacture

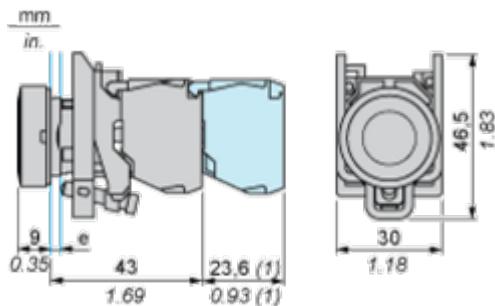
Circularity Profile [End of Life Information](#)

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 or double contact.

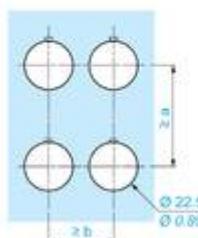
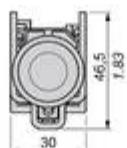
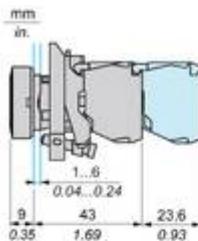
Mounting and Clearance

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 (2) 40 mm min. / 1.57 in. min. (3) 30 mm min. / 1.18 in. min. (4) Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm $^{+0.4}$ / 0.88 in. $^{+0.016}$) (5) 45 mm min. / 1.78 in. min. (6) 32 mm min. / 1.26 in. min.</p> |  <p>(1) Diameter on finished panel or support (2) 40 mm min. / 1.57 in. min. (3) 30 mm min. / 1.18 in. min. (4) Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm $^{+0.4}$ / 0.88 in. $^{+0.016}$) (5) 45 mm min. / 1.78 in. min. (6) 32 mm min. / 1.26 in. min.</p> |

Technical Illustration

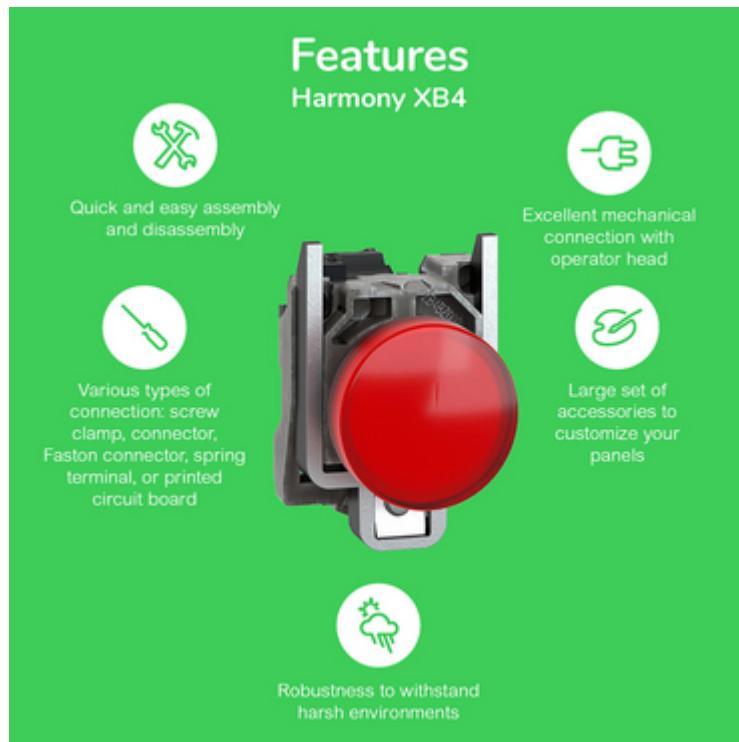
Dimensions



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

Offer Marketing Illustration

Product benefits / Features



Offer Marketing Illustration

Product benefits / Features

Technical Benefits

Harmony XB4

Conformity with IEC, UL, CSA, CCC EAC, and JIS standards, as well as CE marking and marine approvals

Up to IP66, 67, 69, 69K, and type 4X protection ratings

High vibration resistance with shake-proof terminal screws

Operating temperature from -40°C to 70°C

Shock protection level up to IK06

Secure switching of inductive or heavy DC loads directly – 100 000 operations at 10A, 24V dc



Image of product / Alternate images

Alternative

