

# Product data sheet

Specifications



Emergency stop switching off,  
Harmony XB4, metal, red mushroom  
40mm, 22mm, trigger turn to  
release, 1 NO + 1 NC, push in

XB4BS84455

**Product availability:** Stock - Normally stocked in distribution facility

## Main

|                               |                                                                                                                            |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Range of Product              | Harmony XB4                                                                                                                |
| Product or Component Type     | Emergency switching off push-button<br>Emergency stop push-button                                                          |
| Device short name             | XB4                                                                                                                        |
| 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              | trigger action and mechanical latching                                                                                     |
| Head type                     | Standard                                                                                                                   |
| Reset                         | Turn to release                                                                                                            |
| Operator profile              | Red mushroom Ø 40 mm, unmarked                                                                                             |
| Contact operation             | Slow-break                                                                                                                 |
| Connections - terminals       | Push-in, <= 2 x 1.5 mm² with wire end ferrule IEC 60947-1<br>Push-in, >= 1 x 0.34 mm² without wire end ferrule IEC 60947-1 |

## Complementary

|                                    |                                                                                                                                       |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Height                             | 1.9 in (47 mm)                                                                                                                        |
| Width                              | 1.6 in (40 mm)                                                                                                                        |
| Depth                              | 2.9 in (73.2 mm)                                                                                                                      |
| Terminals description ISO n°1      | (13-14)NO<br>(21-22)NC                                                                                                                |
| Product Weight                     | 0.269 lb(US) (0.122 kg)                                                                                                               |
| Resistance to high pressure washer | 1015.3 psi (7000000 Pa) 131 °F (55 °C) 0.1 m                                                                                          |
| Device mounting                    | Fixing hole 0.9 in (22.5 mm) +/- 0.2 mm                                                                                               |
| Fixing mode                        | By fixing collar 8.9 lbf.in (1 N.m) +/- 0.2 N.m)                                                                                      |
| Positive opening                   | With IEC 60947-5-1 appendix K                                                                                                         |
| Operating travel                   | 0.048 in (1.217 mm) NC changing electrical state)<br>0.08 in (2.05 mm) NO changing electrical state)<br>0.2 in (4.3 mm) total travel) |
| Operating force                    | 2.25 N<br>2.45 N                                                                                                                      |

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                       | 300000 cycles                                                                                                                                                      |
| 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               | 300 V 3)IEC 60947-1                                                                                                                                                |
| [Uimp] rated impulse withstand voltage      | 4 kV IEC 60947-1                                                                                                                                                   |
| [Ie] rated operational current              | 6 A 120 V, AC-15, A300 IEC 60947-5-1<br>3 A 240 V, AC-15, A300 IEC 60947-5-1<br>0.55 A 125 V, DC-13, Q300 IEC 60947-5-1<br>0.27 A 250 V, DC-13, Q300 IEC 60947-5-1 |
| 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)                                                                                                                                                                                                                                                            |
| Electrical shock protection class     | Class I conforming to IEC 60536                                                                                                                                                                                                                                                       |
| IP degree of protection               | IP66 IEC 60529<br>IP67<br>IP69<br>IP69K                                                                                                                                                                                                                                               |
| Enclosure Type                        | UL type 4X/13                                                                                                                                                                                                                                                                         |
| IK degree of protection               | IK06 conforming to IEC 50102                                                                                                                                                                                                                                                          |
| Standards                             | IEC 60947-1<br>IEC 60947-5-1<br>IEC 60947-5-4<br>IEC 60947-5-5<br>UL 60947-1<br>UL 60947-5-1<br>UL 60947-5-5<br>UL 1059<br>UL 486E<br>CSA C22.2 No 60947-1<br>CSA C22.2 No 60947-5-1<br>CSA C22.2 No 158<br>CSA C22.2 No 65<br>IACS E10<br>IEC 60204-1<br>ISO 13850<br>IEC 60364-5-53 |
| Product Certifications                | EAC<br>IECEE CB Scheme<br>CCC<br>UL<br>CSA                                                                                                                                                                                                                                            |
| Vibration resistance                  | 5 gn (f= 10...500 Hz) conforming to IEC 60068-2-6<br>25 mm peak to peak (f= 2...10 Hz) conforming to IEC 60068-2-6                                                                                                                                                                    |
| Shock resistance                      | 25 gn 6 ms) 1000 shocks on each axis IEC 60068-2-27<br>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                                                                                                             |

## Ordering and shipping details

|                   |               |
|-------------------|---------------|
| Category          | US10CS222469  |
| Discount Schedule | 0CS2          |
| GTIN              | 3606480724077 |

|                   |     |
|-------------------|-----|
| Returnability     | Yes |
| Country of origin | FR  |

Packing Units

|                        |                      |
|------------------------|----------------------|
| Unit Type of Package 1 | PCE                  |
| Nbr. of units in pkg.  | 1                    |
| Package 1 Height       | 1.700 in (4.318 cm)  |
| Package 1 Width        | 2.100 in (5.334 cm)  |
| Package 1 Length       | 3.600 in (9.144 cm)  |
| Package weight(Lbs)    | 4.320 oz (122.470 g) |

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] | 1 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 kg CO2 eq.                                  |
| Carbon footprint of the end-of-life phase [C1 to C4]   | 0 kg CO2 eq.                                  |
| Environmental Disclosure                               | <a href="#">Product Environmental Profile</a> |

## Use Better



### Materials and Substances

|                                                |                                                                                                                                                                                                                                                                                                    |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Average percentage of recycled plastic content | 16 %                                                                                                                                                                                                                                                                                               |
| Average percentage of recycled metal content   | 20 %                                                                                                                                                                                                                                                                                               |
| 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: 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 <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

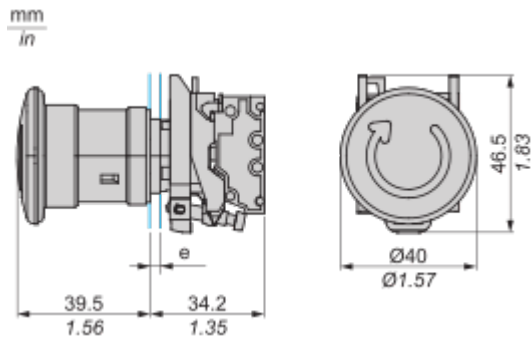


### Repack and remanufacture

|                     |                                         |
|---------------------|-----------------------------------------|
| Circularity Profile | <a href="#">End of Life Information</a> |
| Take-back           | No                                      |

Dimensions Drawings

Dimensions

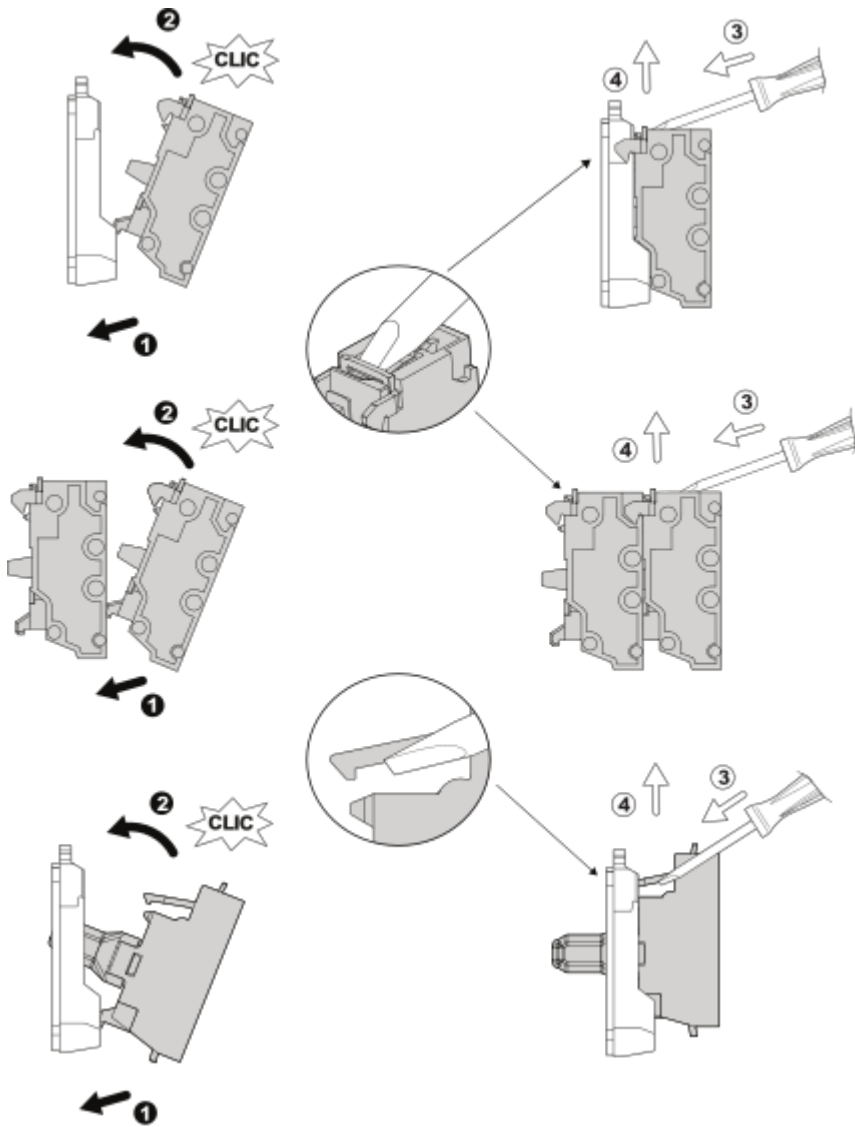


e : Clamping thickness: 1 to 6 mm / 0.04 to 0.24 in.

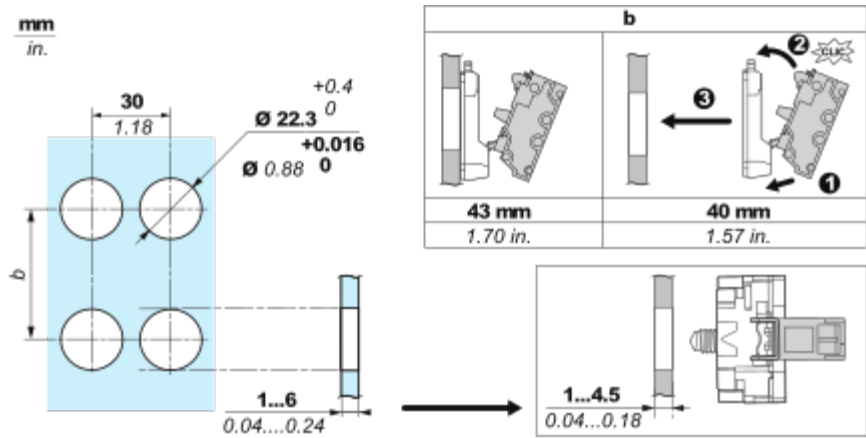
Mounting and Clearance

Mounting

Mounting and Unmounting



Panel cut-out Dimension



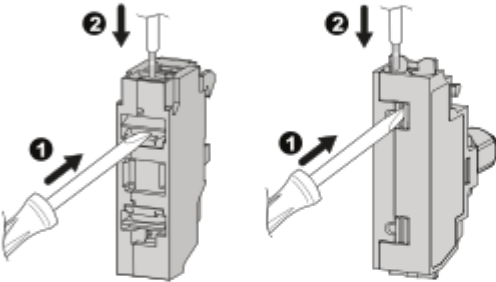
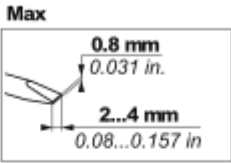
Connections and Schema

Wiring

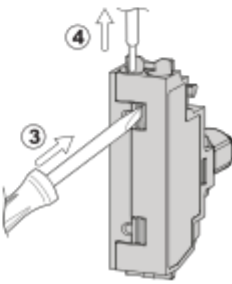
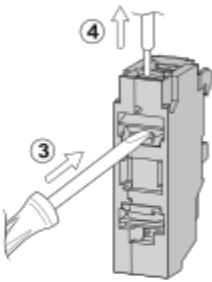
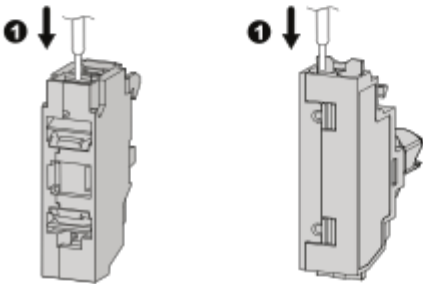
Wiring and Unwiring



|     |            |
|-----|------------|
| mm  | 8          |
| in. | 0.32       |
| mm² | 0.34...1.5 |
| AWG | 22...16    |

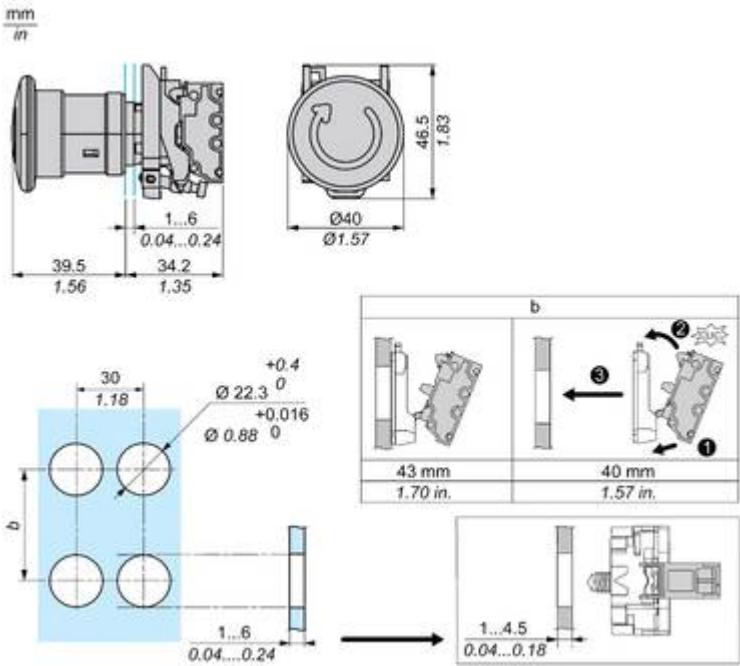


|     |            |          |            |
|-----|------------|----------|------------|
| mm  | 8          | 8        | 8          |
| in. | 0.32       | 0.32     | 0.32       |
| mm² | 0.34...1.5 | 0.34...1 | 0.34...1.5 |
| AWG | 22...16    | 22...18  | 22...16    |



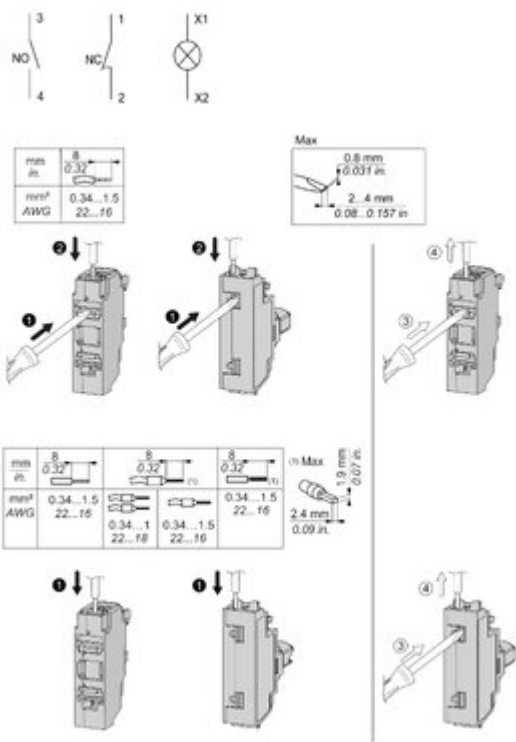
Technical Illustration

Dimensions



Technical Illustration

Wiring diagram



Offer Marketing Illustration

Product benefits / Features

## Features

### Harmony XB4 e-stop function



Wide modular range to suit machines and operator safety.



Ergonomic design for emergency actuation in several environments



Designed to fit in a standard 22mm cut-out or Harmony XAPK control station ensuring compatibility with pre-existing machinery.



Large set of accessories: circular legends, illuminated legend rings, protective bellows for harsh environments and protective guards.



Offer Marketing Illustration

Product benefits / Features

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Technical Benefits

Harmony XB4 e-stop function

Fit to several customer functions needs: turn to release, push to release, key release

Guarantee of proper installation thanks to NC contact with monitoring function.



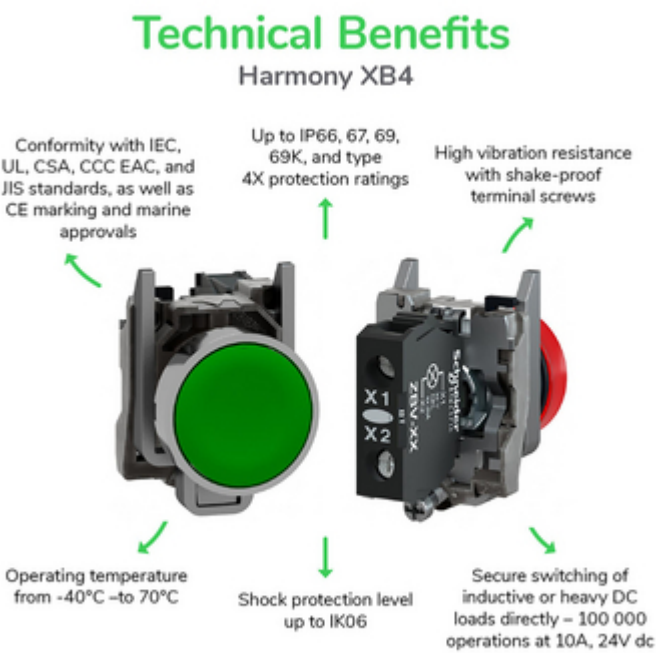
Fit for all machine sizes and environments:

- Small machines > 30 mm
- Standard machines > 40 mm
- Use of gloves > 60 mm

Designed as per international standards for high performance.

Offer Marketing Illustration

Product benefits / Features



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



Image of product / Alternate images

Alternative

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