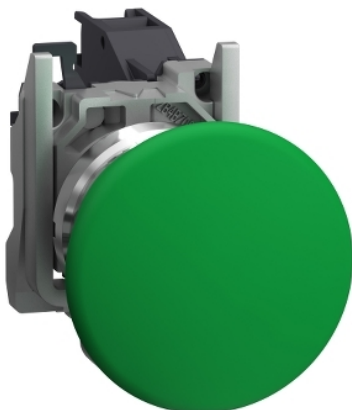


# XB4BC31GEX

Complete push button, Harmony XB4,  
Explosive atmosphere, green mushroom  
pushbutton



## Main

|                               |                        |
|-------------------------------|------------------------|
| Range of product              | Harmony XB4            |
| Product or component type     | Complete push-button   |
| Device short name             | XB4                    |
| Bezel material                | Chromium plated metal  |
| Fixing collar material        | Zamak                  |
| Mounting diameter             | 0.87 in (22 mm)        |
| Sale per indivisible quantity | 1                      |
| Dust zone                     | Zone 21 - 22           |
| Gas zone                      | Zone 1 - 2             |
| Type of operator              | Spring return          |
| Operator profile              | Green mushroom Ø 40 mm |
| Contacts type and composition | 1 NO                   |

## Complementary

|                                             |                                                                                                                                                                                                                                                        |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Width                                       | 1.82 in (46.2 mm)                                                                                                                                                                                                                                      |
| Height                                      | 1.18 in (30 mm)                                                                                                                                                                                                                                        |
| Depth                                       | 3.80 in (96.5 mm)                                                                                                                                                                                                                                      |
| Net Weight                                  | 0.28 lb(US) (0.126 kg)                                                                                                                                                                                                                                 |
| Device mounting                             | Fixing hole 0.89 in (22.5 mm) +/- 0.2 mm EN/IEC 60947-1                                                                                                                                                                                                |
| Fixing center                               | >= 30 x 40 mm support panel) 0.04...0.24 in (1...6 mm)                                                                                                                                                                                                 |
| Embedding depth                             | 2.28 in (58 mm)                                                                                                                                                                                                                                        |
| Marking                                     | Ex db eb IIC Gb<br>Ex tb IIIC Db<br>II 2 GD                                                                                                                                                                                                            |
| Shape of signaling unit head                | Round                                                                                                                                                                                                                                                  |
| Contact operation                           | Slow-break                                                                                                                                                                                                                                             |
| Positive opening                            | Without                                                                                                                                                                                                                                                |
| Operating travel                            | 0.07 in (1.657 mm) engagement point)<br>0.18 in (4.622 mm) changing state point)<br>0.18 in (4.452 mm) total travel)                                                                                                                                   |
| Operating force                             | 3.962 N                                                                                                                                                                                                                                                |
| Mechanical durability                       | 5000000 cycles                                                                                                                                                                                                                                         |
| Connections - terminals                     | Screw clamp terminals, 2 x 1.5 mm <sup>2</sup> with cable end EN/IEC 60947-1<br>Screw clamp terminals, 1 x 2.5 mm <sup>2</sup> without cable end EN/IEC 60947-1                                                                                        |
| Tightening torque                           | 7.08...10.62 lbf.in (0.8...1.2 N.m) EN 60947-1                                                                                                                                                                                                         |
| [Ith] conventional free air thermal current | 10 A EN/IEC 60947-5-1                                                                                                                                                                                                                                  |
| [Ui] rated insulation voltage               | 415 V                                                                                                                                                                                                                                                  |
| [Ie] rated operational current              | 1.9 A 380 V, AC, A600 EN/IEC 60947-5-1<br>3 A 240 V, AC, A600 EN/IEC 60947-5-1<br>6 A 120 V, AC, A600 EN/IEC 60947-5-1<br>0.27 A 250 V, DC, Q300 EN/IEC 60947-5-1<br>0.55 A 125 V, DC, Q300 EN/IEC 60947-5-1<br>2.87 A 24 V, DC, Q300 EN/IEC 60947-5-1 |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

## Environment

|                                       |                                                                                                                                                                               |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protective treatment                  | TH                                                                                                                                                                            |
| Ambient air temperature for storage   | -40...158 °F (-40...70 °C)                                                                                                                                                    |
| Ambient air temperature for operation | -4...167 °F (-20...75 °C)                                                                                                                                                     |
| IP degree of protection               | IP65 IEC 60529                                                                                                                                                                |
| Standards                             | EN/IEC 60079-0:2009<br>EN/IEC 60079-1:2009<br>EN/IEC 60079-7:2009<br>EN/IEC 60079-31:2009<br>UL 60079-0<br>UL 60079-1<br>UL 60079-31<br>ANSI/ISA 12.12.01<br>CSA C22.2 No 213 |
| Product certifications                | INERIS 04ATEX9004U                                                                                                                                                            |

## Ordering and shipping details

|                       |                                   |
|-----------------------|-----------------------------------|
| Category              | 22465 - PUSHBUTTONS, 22MM HAZ LOC |
| Discount Schedule     | CS2                               |
| GTIN                  | 03606489485672                    |
| Nbr. of units in pkg. | 1                                 |
| Package weight(Lbs)   | 1 lb(US) (0.45 kg)                |
| Returnability         | No                                |

## Packing Units

|                        |                  |
|------------------------|------------------|
| Unit Type of Package 1 | PCE              |
| Package 1 Height       | 3.78 in (9.6 cm) |
| Package 1 width        | 1.18 in (3 cm)   |
| Package 1 Length       | 1.81 in (4.6 cm) |

## Offer Sustainability

|                            |                                                                                                                                                                                                                                                                                       |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                                                                                                                                                                                 |
| 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |
| REACH free of SVHC         | Yes                                                                                                                                                                                                                                                                                   |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>                                                                                                                                                                                        |
| Toxic heavy metal free     | Yes                                                                                                                                                                                                                                                                                   |
| Mercury free               | Yes                                                                                                                                                                                                                                                                                   |
| RoHS exemption information | <a href="#">Yes</a>                                                                                                                                                                                                                                                                   |
| China RoHS Regulation      | <a href="#">China RoHS Declaration</a>                                                                                                                                                                                                                                                |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>                                                                                                                                                                                                                                         |
| Circularity Profile        | <a href="#">End Of Life Information</a>                                                                                                                                                                                                                                               |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.                                                                                                                                                          |



Technical drawing of the 1000 Series 1/2" (15.24 mm) ball valve. The drawing includes three views: a side view, a front view, and a top view. Dimensions are provided in both millimeters (mm) and inches (in.).

- Side View:**
  - Overall length: 58 mm (2.28 in.)
  - Length of the handle assembly: 38.5 mm (1.52 in.)
  - Distance from the handle to the valve body:  $e$
  - Height of the handle: 38 mm (1.50 in.)
  - Height of the valve body: 40 mm (1.57 in.)
- Front View:**
  - Overall diameter:  $\varnothing 40$  mm (1.57 in.)
  - Height of the valve body: 46.5 mm (1.83 in.)
- Top View:**
  - Overall diameter:  $\varnothing 40$  mm (1.57 in.)

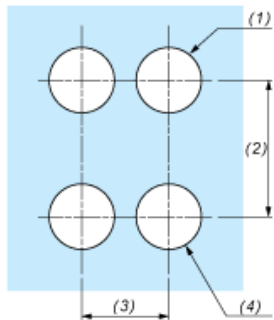
e : support thickness: 1 to 6 mm / 0.04 to 0.24 in.

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

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Connection by Screw Clamp Terminals



- (1) Diameter on finished panel or support
- (2) 40 mm min. / 1.57 in. min.
- (3) 30 mm min. / 1.18 in. min.
- (4)  $\varnothing 22.5 \text{ mm} / 0.89 \text{ in. recommended } (\varnothing 22.3 \text{ mm } {}_0^{+0.4} / 0.88 \text{ in. } {}_0^{+0.016})$