

# XB4BP31GEX

Complete push button, Harmony XB4,  
Explosive atmosphere, pushbutton green with  
boot



## 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 projecting       |
| Operator additional information | Booted (clear silicon) |
| Contacts type and composition   | 1 NO                   |

## Complementary

|                                             |                                                                                                                                                                                                                                                        |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Width                                       | 1.82 in (46.2 mm)                                                                                                                                                                                                                                      |
| Height                                      | 1.18 in (30 mm)                                                                                                                                                                                                                                        |
| Depth                                       | 2.83 in (72 mm)                                                                                                                                                                                                                                        |
| Net Weight                                  | 0.20 lb(US) (0.089 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                                     | II 2 GD<br>Ex db eb IIC Gb<br>Ex tb IIIC Db                                                                                                                                                                                                            |
| 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 mm² with cable end EN/IEC 60947-1<br>Screw clamp terminals, 1 x 2.5 mm² 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 |

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## 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               | IP66 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                  | 03606489485856                    |
| Nbr. of units in pkg. | 1                                 |
| Package weight(Lbs)   | 1 lb(US) (0.45 kg)                |
| Returnability         | Yes                               |

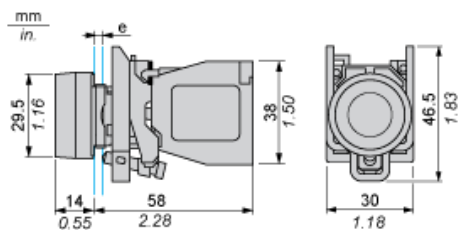
## Packing Units

|                        |                  |
|------------------------|------------------|
| Unit Type of Package 1 | PCE              |
| Package 1 Height       | 2.83 in (7.2 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.                                                                                                                                                          |

## Dimensions



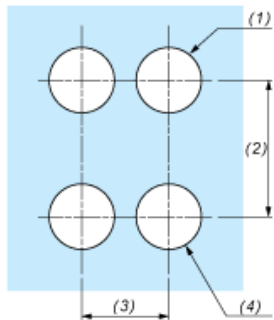
e : support thickness: 1 to 6 mm / 0.04 to 0.24 in.

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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)  $\varnothing 22.5 \text{ mm} / 0.89 \text{ in. recommended } (\varnothing 22.3 \text{ mm } {}_0^{+0.4} / 0.88 \text{ in. } {}_0^{+0.016})$