

# Product data sheet

Specifications



Complete push button, Harmony XB4, Explosive atmosphere, pushbutton yellow with boot and legend insertion

XB4BP581GEX

## 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	22 mm
Sale per indivisible quantity	1
Dust zone	Zone 21 - 22
Gas zone	Zone 1 - 2
Type of operator	spring return
Operator profile	Yellow projecting
Operator additional information	Booted (clear silicon) for insertion of legend
Contacts type and composition	1 NO

## Complementary

Width	46.2 mm
Height	30 mm
Depth	72 mm
Product weight	0.109 kg
Device mounting	Fixing hole - diameter: 22.5 mm +/- 0.2 mm conforming to IEC 60947-1
Fixing center	>= 30 x 40 mm (support panel) - thickness: 1...6 mm
Embedding depth	58 mm
Marking	Ex db eb IIC Gb Ex tb IIIC Db II 2 GD
Shape of signaling unit head	Round
Contact operation	Slow-break
Positive opening	Without
Operating travel	1.657 mm (engagement point) 4.622 mm (changing state point) 4.452 mm (total travel)
Operating force	3.962 N
Mechanical durability	5000000 cycles

<b>Connections - terminals</b>	Screw clamp terminals, 2 x 1.5 mm <sup>2</sup> with cable end conforming to IEC 60947-1 Screw clamp terminals, 1 x 2.5 mm <sup>2</sup> without cable end conforming to IEC 60947-1
<b>Tightening torque</b>	0.8...1.2 N.m conforming to IEC 60947-1
<b>[I<sub>th</sub>] conventional free air thermal current</b>	10 A conforming to IEC 60947-5-1
<b>[U<sub>i</sub>] rated insulation voltage</b>	415 V
<b>[I<sub>e</sub>] rated operational current</b>	1.9 A at 380 V, AC, A600 conforming to IEC 60947-5-1 3 A at 240 V, AC, A600 conforming to IEC 60947-5-1 6 A at 120 V, AC, A600 conforming to IEC 60947-5-1 0.27 A at 250 V, DC, Q300 conforming to IEC 60947-5-1 0.55 A at 125 V, DC, Q300 conforming to IEC 60947-5-1 2.87 A at 24 V, DC, Q300 conforming to IEC 60947-5-1

## Environment

<b>Protective treatment</b>	TH
<b>Ambient air temperature for storage</b>	-40...70 °C
<b>Ambient air temperature for operation</b>	-20...75 °C
<b>IP degree of protection</b>	IP66 conforming to IEC 60529
<b>Standards</b>	IEC 60079-0:2009 EN/IEC 60079-1:2009 IEC 60079-7:2009 IEC 60079-31:2009 UL 60079-0 UL 60079-1 UL 60079-31 ANSI/ISA 12.12.01 CSA C22.2 No 213
<b>Product certifications</b>	INERIS 04ATEX9004U

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	7.2 cm
<b>Package 1 Width</b>	3.0 cm
<b>Package 1 Length</b>	4.6 cm
<b>Package 1 Weight</b>	131.0 g



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

Environmental Disclosure [Product Environmental Profile](#)

## Use Better

### Materials and Substances

Packaging made with recycled cardboard Yes

Packaging without single use plastic No

[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

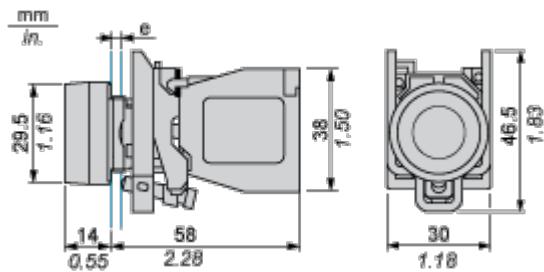
End of life manual availability [End of Life Information](#)

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

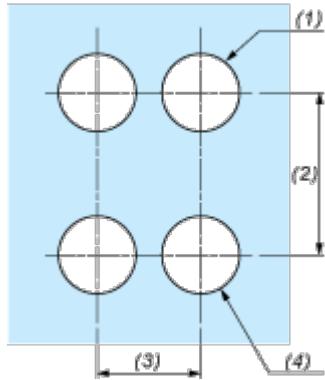
## Dimensions Drawings

## Dimensions



e : support 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**

- (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 ( $\text{Ø } 22.3 \text{ mm } 0^{+0.4} / 0.88 \text{ in. } 0^{+0.016}$ )

## Technical Illustration

## Dimensions

