

# Product data sheet

Specifications



Double headed push button,  
Harmony XB5, plastic, 22mm, 1  
green flush marked I + 1 red  
projecting marked O, 1NO+1NC

XB5AL73415

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

## Main

Range of Product	Harmony XB5
Product or Component Type	Double-headed push-button
Device short name	XB5
Bezel material	Dark grey plastic
Fixing collar material	Plastic
Head type	Standard
Mounting diameter	0.9 in (22.5 mm)
Shape of signaling unit head	Rectangular
Type of operator	spring return
Operator profile	1 flush - 1 projecting push-buttons
Operators description	Green "I" - red "O"
Contacts type and composition	1 NO + 1 NC
Contact operation	Slow-break
Connections - terminals	Screw clamp terminals, <= 2 x 1.5 mm <sup>2</sup> with cable end IEC 60947-1 Screw clamp terminals, >= 1 x 0.22 mm <sup>2</sup> without cable end IEC 60947-1 Spring terminals, <= 2 x 1.5 mm <sup>2</sup> with cable end IEC 60947-1 Spring terminals, >= 1 x 0.22 mm <sup>2</sup> without cable end IEC 60947-1
Device presentation	Complete product

## Complementary

Height	2.0 in (50 mm)
Width	1.2 in (30 mm)
Depth	2.3 in (59 mm)
Terminals description ISO n°1	(21-22)NC (13-14)NO
Product Weight	0.117 lb(US) (0.053 kg)
Resistance to high pressure washer	1015.3 psi (7000000 Pa) 131 °F (55 °C) 0.1 m
Colour of marking	White marking when green, red or black caps Black marking when white caps
Operator profile	Green flush, I white) Red projecting, O white)
Contacts usage	Standard contacts
Positive opening	With IEC 60947-5-1 appendix K

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

<b>Operating travel</b>	0.06 in (1.5 mm) NC changing electrical state 0.1 in (2.6 mm) NO changing electrical state 0.2 in (4.3 mm) total travel)
<b>Operating force</b>	3.5 N NC changing electrical state 3.8 N NO changing electrical state
<b>Mechanical durability</b>	1000000 cycles
<b>Tightening torque</b>	7.08...10.6 lbf.in (0.8...1.2 N.m) IEC 60947-1
<b>Shape of screw head</b>	Cross JIS No 1 Cross Philips no 1 Cross pozidriv No 1 Slotted flat Ø 4 mm Slotted flat Ø 5.5 mm
<b>Contacts material</b>	Silver alloy (Ag/Ni)
<b>Short-circuit protection</b>	10 A cartridge fuse gG IEC 60947-5-1
<b>[I<sub>th</sub>] conventional free air thermal current</b>	10 A IEC 60947-5-1
<b>[U<sub>i</sub>] rated insulation voltage</b>	600 V 3)IEC 60947-1
<b>[U<sub>imp</sub>] rated impulse withstand voltage</b>	6 kV IEC 60947-1
<b>[I<sub>e</sub>] rated operational current</b>	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
<b>Electrical durability</b>	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
<b>Electrical reliability</b>	Δ < 10exp(-6) 5 V, 1 mA in clean environment IEC 60947-5-4 Δ < 10exp(-8) 17 V, 5 mA in clean environment IEC 60947-5-4

## Environment

<b>Protective treatment</b>	TH
<b>Ambient Air Temperature for Storage</b>	-40...158 °F (-40...70 °C)
<b>Ambient Air Temperature for Operation</b>	-40...158 °F (-40...70 °C)
<b>Overvoltage category</b>	Class II conforming to IEC 60536
<b>IP degree of protection</b>	IP67 IEC 60529 IP69 IP69K
<b>NEMA degree of protection</b>	NEMA 13 NEMA 4X
<b>IK degree of protection</b>	IK03 conforming to IEC 50102
<b>Standards</b>	IEC 60947-5-4 JIS C8201-5-1 IEC 60947-5-1 CSA C22.2 No 14 IEC 60947-1 UL 508 JIS C8201-1
<b>Product Certifications</b>	CSA LRROS (Lloyds register of shipping) BV UL Listed DNV
<b>Vibration resistance</b>	5 gn (f= 2...500 Hz) conforming to IEC 60068-2-6

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<b>Shock resistance</b>	30 gn 18 ms) half sine wave acceleration IEC 60068-2-27 50 gn 11 ms) half sine wave acceleration IEC 60068-2-27
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## Ordering and shipping details

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<b>Category</b>	US10CS222467
<b>Discount Schedule</b>	0CS2
<b>GTIN</b>	3389119043519
<b>Returnability</b>	Yes
<b>Country of origin</b>	FR

## Packing Units

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<b>Unit Type of Package 1</b>	PCE
<b>Nbr. of units in pkg.</b>	1
<b>Package 1 Height</b>	3.39 in (8.600 cm)
<b>Package 1 Width</b>	1.30 in (3.300 cm)
<b>Package 1 Length</b>	2.09 in (5.300 cm)
<b>Package weight(Lbs)</b>	1.869 oz (53.000 g)
<b>Unit Type of Package 2</b>	S03
<b>Number of Units in Package 2</b>	100
<b>Package 2 Height</b>	11.81 in (30.000 cm)
<b>Package 2 Width</b>	11.81 in (30.000 cm)
<b>Package 2 Length</b>	15.75 in (40.000 cm)
<b>Package 2 Weight</b>	12.663 lb(US) (5.744 kg)
<b>Unit Type of Package 3</b>	P06
<b>Number of Units in Package 3</b>	800
<b>Package 3 Height</b>	29.53 in (75.000 cm)
<b>Package 3 Width</b>	23.62 in (60.000 cm)
<b>Package 3 Length</b>	31.50 in (80.000 cm)
<b>Package 3 Weight</b>	124.085 lb(US) (56.284 kg)

## Contractual warranty

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<b>Warranty</b>	18 months
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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 CO<sub>2</sub> 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: 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 [www.P65Warnings.ca.gov](#)**

### Use Again

#### Repack and remanufacture

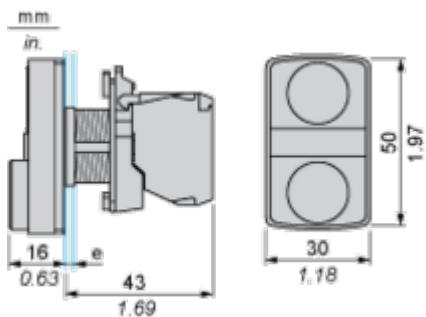
Circularity Profile [End of Life Information](#)

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.

## 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



(1) Diameter on finished panel or support

(2) For selector switches and Emergency stop buttons, use of an anti-rotation plate type ZB5AZ902 is recommended.

(3) Ø22.5 mm recommended ( $\text{Ø}22.3^{+0.4}_0$ ) / Ø0.89 in. recommended ( $\text{Ø}0.88^{+0.016}_0$ )

Connections	a in mm	a in in.	b in mm	b in in.
By screw clamp terminals or plug-in connector	40	1.57	30	1.18
By Faston connectors	45	1.77	32	1.26
On printed circuit board	30	1.18	30	1.18

## Detail of Lug Recess



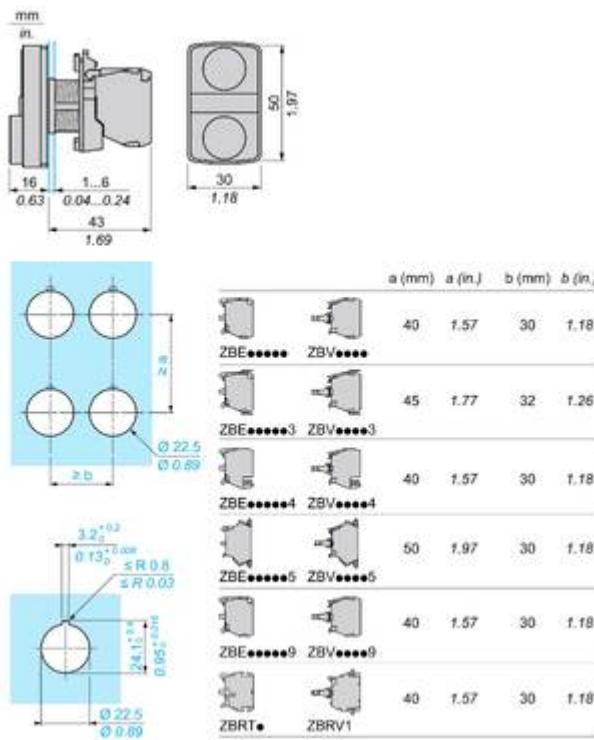
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## Technical Illustration

## Dimensions



## Offer Marketing Illustration

## Product benefits / Features

## Features

### Harmony XB5



-  Quick and easy assembly and disassembly
-  Excellent mechanical connection with operator head
-  Various types of connection: screw clamp, connector, Faston connector, spring terminal, or printed circuit board
-  Large set of accessories to customize your panels
-  Robustness to withstand harsh environments

## Offer Marketing Illustration

## Product benefits / Features

## Technical Benefits

## Harmony XB5

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



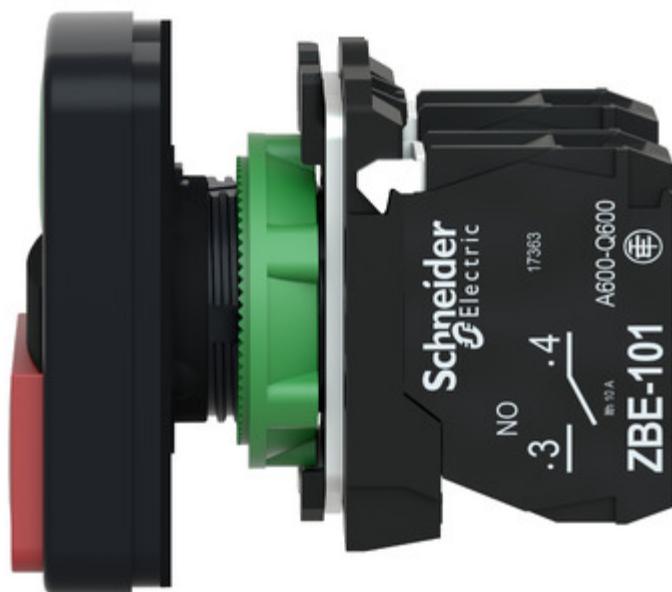
Secure switching of inductive or heavy DC loads directly – 100 000 operations at 10A, 24V dc

Image of product / Alternate images

Alternative

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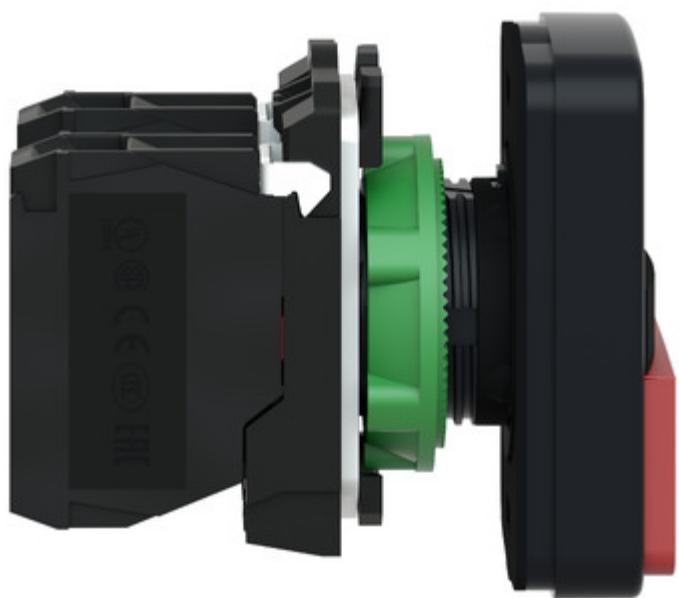


Image of product in real life situation

